

Converting Colors

XYZ(62.6204, 77.0242, 46.3117)

Have a look what the booklet for
XYZ(62.6204, 77.0242, 46.3117)
contains.

XYZ(62.6390, 76.9152, 46.1950)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(62.6390, 76.9152,
46.1950)**

Conversions

Conversions Part 1

Format	Color
Hex	CEEEE3
RGB	206, 238, 163
RGB Percent	81%, 93%, 64%
CMY	0.1922, 0.0666, 0.3608
CMYK	0.13, 0.00, 0.32, 0.07
HSL	86°, 69%, 79%
HSV	86°, 32%, 93%
XYZ	62.6390, 76.9152, 46.1950
YIQ	219.8820, 5.0030, -30.1090

Conversions

Conversions Part 2

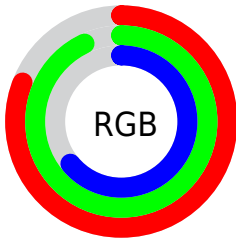
Format	Color
RYB	163, 238, 195
Decimal	13561507
CIELab	90.28, -23.00, 32.96
CIELCh	90, 40.193, 124.903
Yxy	76.9152, 0.3372, 0.4141
Android (android.graphics.Color)	4291751587 (0xFFCEEEA3)
YUV	219.8820, -28.0428, -12.1745
Hunter-Lab	87.7013, -25.9871, 30.1610

Details

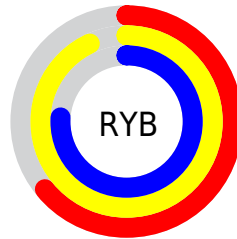
The XYZ color **62.6390, 76.9152, 46.1950** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **51.0385, 43.9716, 86.6905**, and the grayscale version is **68.1339, 71.6822, 78.0619**.

A 20% lighter version of the original color is **89.6549, 97.8420, 80.4897**, and **32.3049, 41.1610, 20.9941** is the 20% darker color. If you saturate the color by 10%, you get **57.9756, 74.7372, 35.8735**, and if you desaturate by 10%, it is **67.8899, 79.3545, 58.6419**.

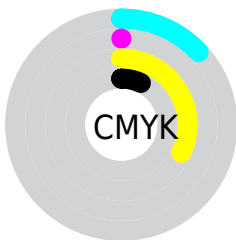
Distribution



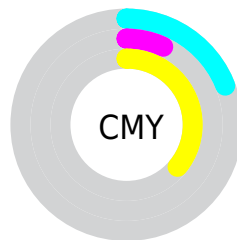
- Red (81%)
- Green (93%)
- Blue (64%)



- Red (64%)
- Yellow (93%)
- Blue (76%)



- Cyan (13%)
- Magenta (0%)
- Yellow (32%)
- Black (7%)





- Cyan (19%)
- Magenta (7%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.6390, 76.9152, 46.1950 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 62.6390, 76.9152, 46.1950 by changing the saturation by 10% instead.

 62.6390, 76.9152,
46.1950


 62.6390, 76.9152,
46.1950

423.9387,
484.4749, 387.8924

 45.8068, 57.1833,
32.0500


 107.7333,
129.0198, 85.8481

 32.2973, 41.1524,
21.1345


 136.7260,
162.1612, 112.1933

 21.7454, 28.4382,
13.0302


170.5030,
200.5413, 143.4422

 13.7855, 18.6562,
7.3184

209.4296,
244.5444, 180.0134

 8.0523, 11.4221,
3.5805

253.8710,
294.5549, 222.3255

 4.1805, 6.3515,
1.3982

304.1928,


 1.8048, 3.0600,


350.9572, 270.7970


0.1403

360.7602,
414.1357, 325.8465


 0.5205, 1.1631,
0.0000


 0.0000, 0.0313,
0.0000


 62.6390, 76.9152,
46.1950


 62.6390, 76.9152,
46.1950

 57.9756, 74.7372,
35.8735


 67.8899, 79.3545,
58.6419


 53.8679, 72.7994,
27.5535

 73.7465, 82.0549,
73.3190

 50.2895, 71.0937,
21.1059

 80.2334, 85.0292,
90.3300

 47.2089, 69.6069,
16.3842

 86.8516, 88.0782,
107.0310

■ 44.5907, 68.3245,
13.2206

■ 89.8661, 89.6322,
107.1720

■ 42.3926, 67.2291,
11.4133

■ 40.8020, 66.4239,
10.6706

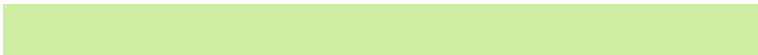
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.4733, 76.9152, 39.9665



62.6390, 76.9152, 46.1950



57.0280, 76.9152, 62.4807

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



62.6390, 76.9152, 46.1950



65.2440, 76.9152, 144.2217



94.0019, 76.9152, 79.1253

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



62.6390, 76.9152, 46.1950



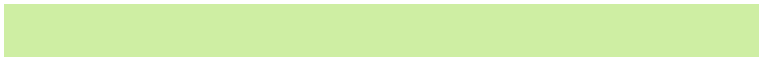
51.0385, 43.9716, 86.6905

Split Complementary

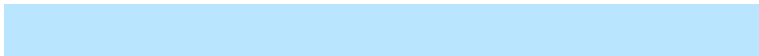
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.9522, 76.9152, 109.3636



62.6390, 76.9152, 46.1950



74.7625, 76.9152, 151.5268

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.6390, 76.9152, 46.1950



58.4330, 76.9152, 119.4025



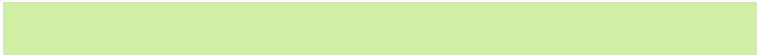
84.6776, 76.9152, 137.5601



90.0491, 76.9152, 56.0074

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62.6390, 76.9152, 46.1950



55.5658, 76.9152, 78.9465



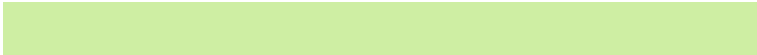
84.6776, 76.9152, 137.5601



93.9952, 76.9152, 88.7395

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



62.6410, 76.9186, 46.1967



88.0610, 96.7988, 90.4239



61.2211, 59.5191, 42.9130



18.6191, 20.6135, 18.7608



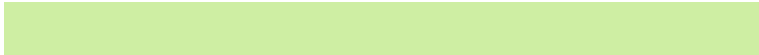
0.0000, 0.0000, 0.0000



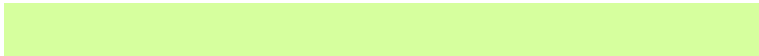
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.6410, 76.9186, 46.1967



69.5701, 88.2358, 45.7574



53.6036, 72.2597, 45.7737



16.4336, 18.1037, 16.7779



22.9133, 37.1338, 5.9599



2.0197, 3.1477, 0.5011

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



51.0385, 43.9716, 86.6905



53.9663, 43.9114, 100.2392



61.7303, 49.4834, 87.1908



15.5368, 15.5584, 19.9058



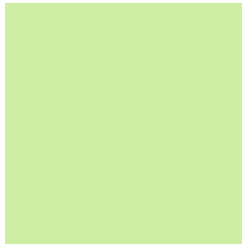
11.7800, 5.0782, 45.4872



1.0915, 0.4799, 3.7893

Previews

White Background



This preview shows how the XYZ color 62.6390, 76.9152, 46.1950 looks on a white background.

Color Contrast Check

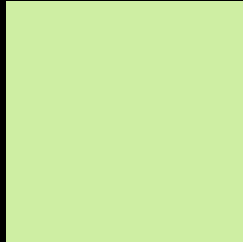
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 62.6390, 76.9152, 46.1950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

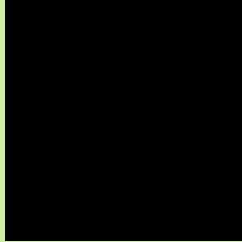
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.6390, 76.9152, 46.1950

Background



This preview shows how black text looks on a background with the XYZ color 62.6390, 76.9152, 46.1950.

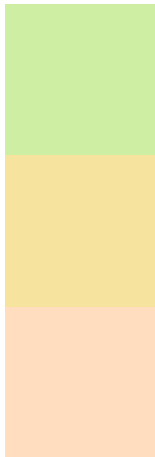


This preview shows how white text looks on a background with the XYZ color 62.6390, 76.9152,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

62.6390, 76.9152, 46.1950

Protanopia

71.2968, 76.8193, 43.4176

Deuteranopia

76.3907, 76.6906, 59.4917



Tritanopia

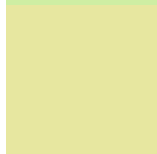
73.2914, 77.0461, 98.1973

Trichromacy



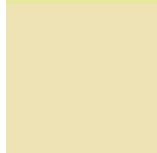
Original Color

62.6390, 76.9152, 46.1950



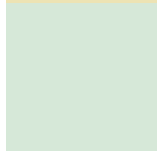
Protanomaly

67.8761, 76.6788, 44.4807



Deuteranomaly

70.6324, 76.2380, 54.1727



Tritanomaly

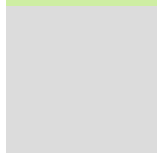
68.9828, 76.9672, 76.1861

Monochromacy



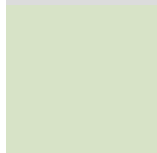
Original Color

62.6390, 76.9152, 46.1950



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

65.8022, 73.5088, 64.7533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.6390, 76.9152, 46.1950 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(206, 238, 163)` looks like.

```
.text, #text, p{  
    color:rgb(206, 238, 163)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(206, 238, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 238, 163) }
```

Border

The CSS property to change the border of an element to XYZ 62.6390, 76.9152, 46.1950 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 238, 163) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(206, 238, 163) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(206, 238, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 238, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 238, 163);  
box-shadow:4px 4px 4px 4px rgb(206, 238,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 62.6390, 76.9152, 46.1950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 238, 163) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(206,  
238, 163) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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