

Converting Colors

XYZ(42.3009, 61.6498, 51.4594)

Have a look what the booklet for
XYZ(42.3009, 61.6498, 51.4594)
contains.

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Color

**XYZ(42.2149, 61.6232,
51.2645)**

Conversions

Conversions Part 1

Format	Color
Hex	71E3B1
RGB	113, 227, 177
RGB Percent	44%, 89%, 69%
CMY	0.5569, 0.1098, 0.3059
CMYK	0.50, 0.00, 0.22, 0.11
HSL	154°, 67%, 67%
HSV	154°, 50%, 89%
XYZ	42.2149, 61.6232, 51.2645
YIQ	187.2140, -51.8940, -39.7180

Conversions

Conversions Part 2

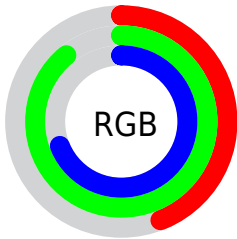
Format	Color
RYB	113, 186, 227
Decimal	7463857
CIELab	82.71, -44.00, 14.60
CIELCh	83, 46.359, 161.638
Yxy	61.6232, 0.2722, 0.3973
Android (android.graphics.Color)	4285653937 (0xFF71E3B1)
YUV	187.2140, -5.0355, -65.0857
Hunter-Lab	78.5004, -41.3845, 16.2311

Details

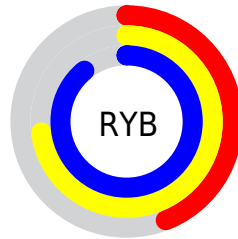
The XYZ color **42.2149, 61.6232, 51.2645** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **44.1965, 30.7868, 38.2655**, and the grayscale version is **47.4047, 49.8735, 54.3122**.

A 20% lighter version of the original color is **67.2626, 86.0611, 90.1571**, and **19.5662, 31.2849, 24.0761** is the 20% darker color. If you saturate the color by 10%, you get **38.6953, 59.9209, 46.1077**, and if you desaturate by 10%, it is **46.5405, 63.7359, 56.8398**.

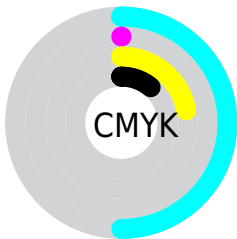
Distribution



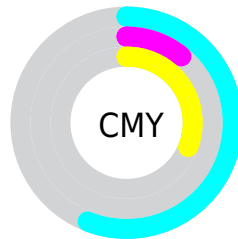
- Red (44%)
- Green (89%)
- Blue (69%)



- Red (44%)
- Yellow (73%)
- Blue (89%)



- Cyan (50%)
- Magenta (0%)
- Yellow (22%)
- Black (11%)





- Cyan (56%)
- Magenta (11%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2149, 61.6232, 51.2645 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 42.2149, 61.6232, 51.2645 by changing the saturation by 10% instead.

 42.2149, 61.6232,
51.2645


 42.2149, 61.6232,
51.2645


346.3495,
430.5553, 408.4664


 29.4614, 44.7283,
36.0410


 77.7879, 107.1808,
93.4611

 19.5762, 31.2435,
24.1759


 101.3381,
136.6122, 121.2713

 12.1938, 20.7843,
15.2507


 129.2180,
170.9913, 154.1141

 6.9490, 12.9664,
8.8470

161.7929,
210.7025, 192.4081

 3.4762, 7.4054,
4.5461

199.4281,
256.1300, 236.5717

 1.4103, 3.7169,
1.9294

242.4891,

 0.2636, 1.5165,

307.6584, 287.0237

0.5114

291.3411,
365.6721, 344.1824

■ 0.0000, 0.3003,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.2149, 61.6232,
51.2645

■ 42.2149, 61.6232,
51.2645

■ 38.6953, 59.9209,
46.1077

■ 46.5405, 63.7359,
56.8398

■ 35.9198, 58.5924,
41.3544


■ 51.7185, 66.2778,
62.8394


■ 33.8249, 57.6068,
36.9947


■ 57.7974, 69.2754,
69.2746

■ 32.3335, 56.9245,
33.0164


■ 64.8204, 72.7509,
76.1546

 31.3296, 56.4842,
29.4800

 72.8281, 76.7250,
83.4885

 81.8585, 81.2171,
91.2850

 85.4521, 82.8972,
99.2486

 86.7602, 83.4204,
106.1367

Harmonies

Analogous

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



46.7492, 61.6232, 33.8955



42.2149, 61.6232, 51.2645



41.7494, 61.6232, 78.7770

Triad

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



42.2149, 61.6232, 51.2645



62.5186, 61.6232, 136.4015



74.0759, 61.6232, 36.8623

Complementary

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



42.2149, 61.6232, 51.2645



44.1965, 30.7868, 38.2655

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.



79.3947, 61.6232, 56.6330



42.2149, 61.6232, 51.2645



72.2345, 61.6232, 116.9827

Square

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



42.2149, 61.6232, 51.2645



52.7446, 61.6232, 133.7480



78.6851, 61.6232, 85.8941



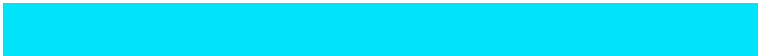
64.8114, 61.6232, 27.3526

Rectangle

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



42.2149, 61.6232, 51.2645



43.7366, 61.6232, 100.1637



78.6851, 61.6232, 85.8941



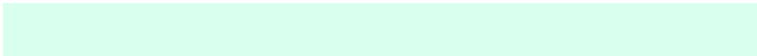
76.4294, 61.6232, 42.2497

Sweetspot

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



42.2166, 61.6257, 51.2659



79.7665, 92.4196, 94.6956



45.8235, 64.0575, 25.5727



16.6636, 19.5789, 19.8645



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.



42.2166, 61.6257, 51.2659



50.3050, 77.9710, 59.9150



46.6128, 60.9307, 81.9801



14.5265, 16.2240, 17.0371



18.3304, 32.9643, 17.5062



1.4011, 2.4545, 1.5385

Inverse Universe

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



44.1965, 30.7868, 38.2655



53.1629, 33.6313, 41.2783



41.2221, 30.6468, 19.3662



14.6382, 14.4725, 16.2954



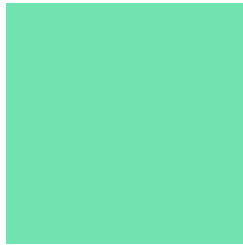
19.8607, 10.0785, 8.1612



1.5136, 0.7632, 0.8454

Previews

White Background



This preview shows how the XYZ color 42.2149, 61.6232, 51.2645 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 42.2149, 61.6232, 51.2645 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

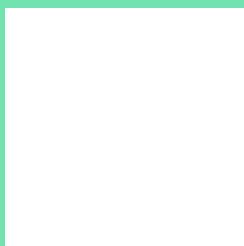
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.2149, 61.6232, 51.2645

Background



This preview shows how black text looks on a background with the XYZ color 42.2149, 61.6232, 51.2645.



This preview shows how white text looks on a background with the XYZ color 42.2149, 61.6232,

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

42.2149, 61.6232, 51.2645

Protanopia

57.0911, 60.6906, 44.7818

Deuteranopia

61.7922, 60.5072, 53.2220



Tritanopia

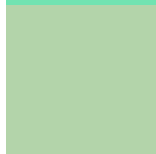
49.8235, 61.5233, 89.3700

Trichromacy



Original Color

42.2149, 61.6232, 51.2645



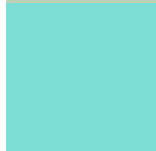
Protanomaly

49.3896, 59.5730, 46.9258



Deuteranomaly

51.8826, 59.2668, 52.4212



Tritanomaly

46.6992, 61.4339, 73.6866

Monochromacy



Original Color

42.2149, 61.6232, 51.2645



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

44.1650, 53.1335, 52.7278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2149, 61.6232, 51.2645 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(113, 227, 177)` looks like.

```
.text, #text, p{  
    color:rgb(113, 227, 177)  
}
```

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(113, 227, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 227, 177) }
```

Border

The CSS property to change the border of an element to XYZ 42.2149, 61.6232, 51.2645 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(113, 227, 177) }
```


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

```
.border{ border-color:rgb(113, 227, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 227, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 227, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 227, 177);  
box-shadow:4px 4px 4px 4px rgb(113, 227,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2149, 61.6232, 51.2645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 227, 177) }
```

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

```
.background{ background-color: rgb(113,  
227, 177) }
```

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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