

Converting Colors

XYZ(66.0019, 78.0849, 42.6039)

Have a look what the booklet for
XYZ(66.0019, 78.0849, 42.6039)
contains.

XYZ(66.0194, 78.3071, 42.6455)	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(66.0194, 78.3071,
42.6455)**

Conversions

Conversions Part 1

Format	Color
Hex	DDED9B
RGB	221, 237, 155
RGB Percent	87%, 93%, 61%
CMY	0.1333, 0.0706, 0.3921
CMYK	0.07, 0.00, 0.35, 0.07
HSL	72°, 69%, 77%
HSV	72°, 35%, 93%
XYZ	66.0194, 78.3071, 42.6455
YIQ	222.8680, 16.7860, -28.8940

Conversions

Conversions Part 2

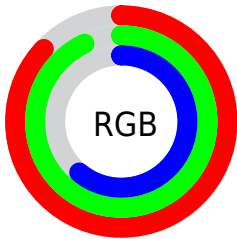
Format	Color
RYB	155, 237, 171
Decimal	14544283
CIELab	90.92, -18.05, 38.01
CIELCh	91, 42.084, 115.405
Yxy	78.3071, 0.3531, 0.4188
Android (android.graphics.Color)	4292734363 (0xFFDDED9B)
YUV	222.8680, -33.4589, -1.6382
Hunter-Lab	88.4913, -21.6889, 33.3710

Details

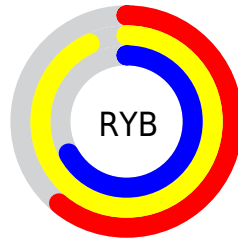
The XYZ color **66.0194, 78.3071, 42.6455** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.8050, 38.2171, 85.1931**, and the grayscale version is **70.2690, 73.9284, 80.5081**.

A 20% lighter version of the original color is **88.6329, 97.4331, 75.1078**, and **34.4891, 42.0264, 19.1261** is the 20% darker color. If you saturate the color by 10%, you get **62.8328, 76.8747, 33.1068**, and if you desaturate by 10%, it is **69.6395, 79.9228, 54.2467**.

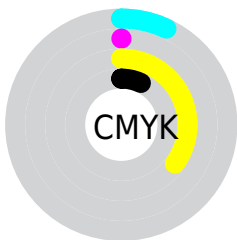
Distribution



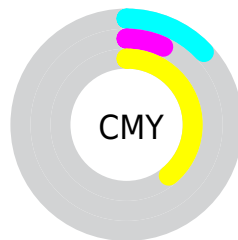
- Red (87%)
- Green (93%)
- Blue (61%)



- Red (61%)
- Yellow (93%)
- Blue (67%)



- Cyan (7%)
- Magenta (0%)
- Yellow (35%)
- Black (7%)





- Cyan (13%)
- Magenta (7%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.0194, 78.3071, 42.6455 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 66.0194, 78.3071, 42.6455 by changing the saturation by 10% instead.


 66.0194, 78.3071,
42.6455


 66.0194, 78.3071,
42.6455


435.9338,
489.2091, 373.0301

 48.5559, 58.3263,
29.2777


 112.5718,
130.9829, 80.4562

 34.4804, 42.0710,
19.0436


 142.3913,
164.4468, 105.7363

 23.4275, 29.1569,
11.5247


177.0603,
203.1737, 135.8242

 15.0319, 19.1995,
6.3023

216.9441,
247.5482, 171.1385

 8.9283, 11.8146,
2.9580

262.4079,
297.9546, 212.0976

 4.7512, 6.6175,
1.0732

313.8173,

 2.1353, 3.2241,

354.7773, 259.1203

0.0000

371.5374,
418.4007, 312.6249

0.7083, 1.2498,
0.0000

0.0000, 0.1018,
0.0000

66.0194, 78.3071,
42.6455

66.0194, 78.3071,
42.6455

62.8328, 76.8747,
33.1068

69.6395, 79.9228,
54.2467

60.0504, 75.6057,
25.5047


73.7085, 81.7199,
68.0166


57.6486, 74.4934,
19.7074


78.2483, 83.7099,
84.0600


55.5985, 73.5261,
15.5643


83.2776, 85.9002,
102.4732


 53.8667, 72.6904,
12.9009


 85.6892, 87.0481,
106.8934

 52.4120, 71.9700,
11.5032

 87.3158, 87.8866,
106.9695

 51.7081, 71.6153,
11.0978

 88.9830, 88.7461,
107.0475

 89.5759, 89.0518,
107.0753

Harmonies

Analogous

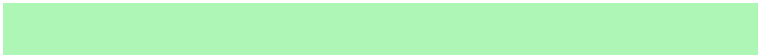
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.0740, 78.3071, 39.2974



66.0194, 78.3071, 42.6455



58.8743, 78.3071, 56.2204

Triad

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



66.0194, 78.3071, 42.6455



63.4418, 78.3071, 142.9313



96.6585, 78.3071, 90.0273

Complementary

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



66.0194, 78.3071, 42.6455



43.8050, 38.2171, 85.1931

Split Complementary

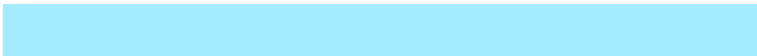
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.5061, 78.3071, 122.9006



66.0194, 78.3071, 42.6455



72.8070, 78.3071, 157.7191

Square

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



66.0194, 78.3071, 42.6455



57.4882, 78.3071, 112.8485



83.5231, 78.3071, 149.6350



94.4073, 78.3071, 62.5848

Rectangle

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



66.0194, 78.3071, 42.6455



56.3893, 78.3071, 71.3789



83.5231, 78.3071, 149.6350



95.9551, 78.3071, 100.8402

Sweetspot

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



66.0214, 78.3106, 42.6472



89.4053, 97.5333, 88.6090



55.2251, 49.1353, 37.5848



18.9765, 20.8060, 18.4035



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.



66.0214, 78.3106, 42.6472



75.0606, 91.1636, 41.6157



55.2515, 72.7585, 42.1431



16.0471, 17.4698, 16.0450



28.3370, 39.1528, 6.0637



2.2987, 3.1124, 0.4796

Inverse Universe

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



43.8050, 38.2171, 85.1931



44.9444, 36.7818, 99.3385



53.8835, 43.4128, 85.6648



14.5057, 14.6904, 18.9933



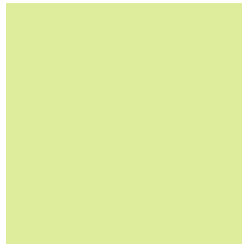
9.0503, 3.7015, 43.9804



0.7862, 0.3296, 3.4571

Previews

White Background



This preview shows how the XYZ color 66.0194, 78.3071, 42.6455 looks on a white background.

Color Contrast Check

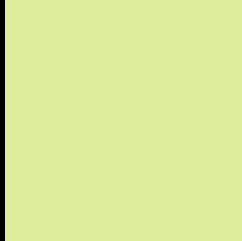
Large Text (above 18pt) WCAG AA × Fail

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 66.0194, 78.3071, 42.6455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

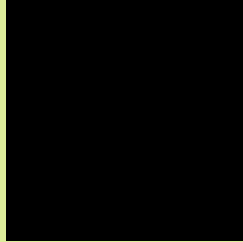
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

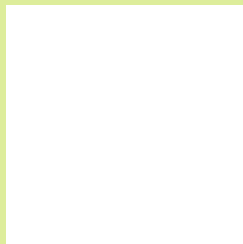
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.0194, 78.3071, 42.6455

Background



This preview shows how black text looks on a background with the XYZ color 66.0194, 78.3071, 42.6455.

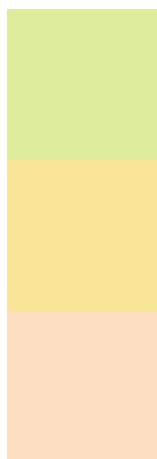


This preview shows how white text looks on a background with the XYZ color 66.0194, 78.3071,

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

66.0194, 78.3071, 42.6455

Protanopia

72.3982, 78.2621, 40.9961

Deuteranopia

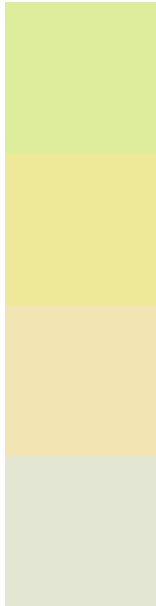
77.2533, 77.8856, 61.4138



Tritanopia

76.8042, 78.0802, 96.6109

Trichromacy



Original Color

66.0194, 78.3071, 42.6455

Protanomaly

69.8663, 78.1903, 41.5469

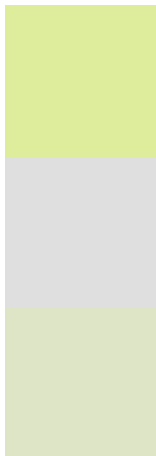
Deuteranomaly

72.8422, 77.7962, 53.8248

Tritanomaly

72.1754, 77.8411, 73.5081

Monochromacy



Original Color

66.0194, 78.3071, 42.6455

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

68.0606, 75.0936, 64.3334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.0194, 78.3071, 42.6455 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(221, 237, 155)` looks like.

```
.text, #text, p{  
    color:rgb(221, 237, 155)  
}
```

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(221, 237, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 237, 155) }
```

Border

The CSS property to change the border of an element to XYZ 66.0194, 78.3071, 42.6455 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(221, 237, 155) }
```


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

```
.border{ border-color:rgb(221, 237, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 237, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 237, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 237, 155);  
box-shadow:4px 4px 4px 4px rgb(221, 237,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 66.0194, 78.3071, 42.6455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 237, 155) }
```

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

```
.background{ background-color: rgb(221,  
237, 155) }
```

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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