

Converting Colors

XYZ(40.0957, 61.8704, 46.3881)

Have a look what the booklet for
XYZ(40.0957, 61.8704, 46.3881)
contains.

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Color

**XYZ(40.0957, 61.8704,
46.3881)**

Conversions

Conversions Part 1

Format	Color
Hex	60E6A7
RGB	96, 230, 167
RGB Percent	38%, 90%, 65%
CMY	0.6235, 0.0980, 0.3451
CMYK	0.58, 0.00, 0.27, 0.10
HSL	152°, 73%, 64%
HSV	152°, 58%, 90%
XYZ	40.0957, 61.8704, 46.3881
YIQ	182.7520, -59.6410, -48.0010

Conversions

Conversions Part 2

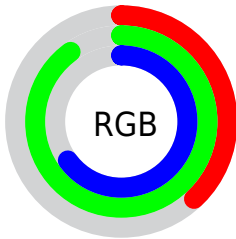
Format	Color
RYB	96, 184, 230
Decimal	6350503
CIELab	82.84, -51.06, 19.93
CIELCh	83, 54.812, 158.678
Yxy	61.8704, 0.2703, 0.4170
Android (android.graphics.Color)	4284540583 (0xFF60E6A7)
YUV	182.7520, -7.7657, -76.0815
Hunter-Lab	78.6577, -46.6609, 20.0944

Details

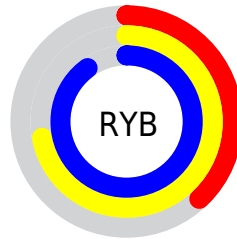
The XYZ color **40.0957, 61.8704, 46.3881** is a light color, and the websafe version is hex **33CC99**. A complement of this color would be **43.0760, 27.6933, 35.8781**, and the grayscale version is **44.9398, 47.2802, 51.4881**.

A 20% lighter version of the original color is **62.6551, 83.8618, 81.9919**, and **18.2351, 31.2265, 21.2859** is the 20% darker color. If you saturate the color by 10%, you get **37.0625, 60.4191, 41.2448**, and if you desaturate by 10%, it is **43.9235, 63.7250, 52.0078**.

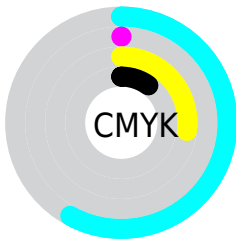
Distribution



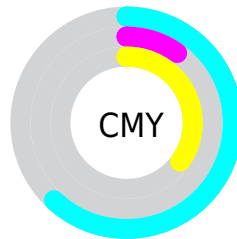
- Red (38%)
- Green (90%)
- Blue (65%)



- Red (38%)
- Yellow (72%)
- Blue (90%)



- Cyan (58%)
- Magenta (0%)
- Yellow (27%)
- Black (10%)



- Cyan (62%)
- Magenta (10%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0957, 61.8704, 46.3881 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 40.0957, 61.8704, 46.3881 by changing the saturation by 10% instead.

40.0957, 61.8704,
46.3881

40.0957, 61.8704,
46.3881

337.6543,
431.4582, 388.6896

27.7977, 44.9280,
32.2013

74.5926, 107.5382,
86.1399

18.3129, 31.4007,
21.2492

97.5223, 137.0324,
112.5420

11.2759, 20.9042,
13.1133

124.7265,
171.4793, 143.8530

6.3214, 13.0540,
7.3750

156.5708,
211.2633, 180.4914

3.0840, 7.4657,
3.6157

193.4203,
256.7688, 222.8757

1.1983, 3.7550,
1.4170

235.6405,

0.1051, 1.5375,

308.3802, 271.4244

0.1549

283.5967,
366.4818, 326.5562

■ 0.0000, 0.3149,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.0957, 61.8704,
46.3881

■ 40.0957, 61.8704,
46.3881

■ 37.0625, 60.4191,
41.2448

■ 43.9235, 63.7250,
52.0078

■ 34.7532, 59.3299,
36.5598


■ 48.5991, 66.0050,
58.1125


■ 33.0922, 58.5658,
32.3199


■ 54.1763, 68.7398,
64.7160


■ 31.9701, 58.0705,
28.5086

■ 60.7031, 71.9538,
71.8302


 31.8024, 57.9976,
27.8871

 68.2240, 75.6697,
79.4664

 76.7806, 79.9089,
87.6357

 85.6702, 84.3087,
96.3139

 87.3494, 84.9804,
105.1566

 87.5879, 85.0758,
106.4126

Harmonies

Analogous

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



45.7317, 61.8704, 28.2971



40.0957, 61.8704, 46.3881



39.1019, 61.8704, 77.6579

Triad

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



40.0957, 61.8704, 46.3881



62.2975, 61.8704, 154.2182



78.3633, 61.8704, 34.3622

Complementary

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



40.0957, 61.8704, 46.3881



43.0760, 27.6933, 35.8781

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.



84.2169, 61.8704, 58.0268



40.0957, 61.8704, 46.3881



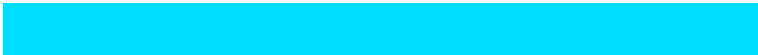
74.1610, 61.8704, 131.9176

Square

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



40.0957, 61.8704, 46.3881



50.9335, 61.8704, 147.8721



82.5840, 61.8704, 93.8724



67.4505, 61.8704, 23.1449

Rectangle

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



40.0957, 61.8704, 46.3881



41.0567, 61.8704, 103.6221



82.5840, 61.8704, 93.8724



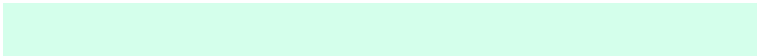
81.0501, 61.8704, 40.7398

Sweetspot

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



40.0973, 61.8729, 46.3895



77.7509, 91.4412, 91.8606



45.0610, 64.9936, 21.2371



16.2576, 19.3826, 19.2586



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.



40.0973, 61.8729, 46.3895



46.1383, 76.0202, 50.8079



46.7880, 63.5610, 84.6683



14.5068, 16.2162, 16.9338



18.0664, 32.8587, 16.1159



1.3819, 2.4469, 1.4377

Inverse Universe

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



43.0760, 27.6933, 35.8781



50.2413, 29.0510, 36.4117



39.1357, 26.4479, 14.1093



14.6576, 14.4802, 16.3975



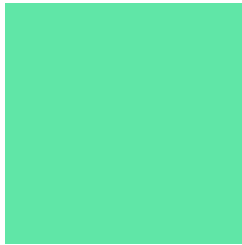
20.0723, 10.1631, 9.2756



1.5299, 0.7697, 0.9309

Previews

White Background



This preview shows how the XYZ color 40.0957, 61.8704, 46.3881 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 40.0957, 61.8704, 46.3881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

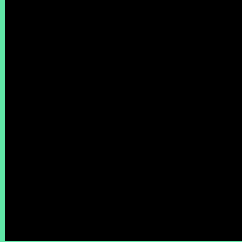
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0957, 61.8704, 46.3881

Background



This preview shows how black text looks on a background with the XYZ color 40.0957, 61.8704, 46.3881.

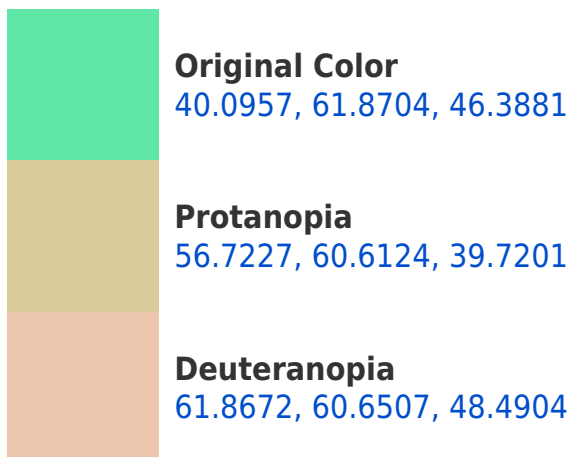


This preview shows how white text looks on a background with the XYZ color 40.0957, 61.8704,

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





Tritanopia

49.0442, 61.8668, 91.0179

Trichromacy



Original Color

40.0957, 61.8704, 46.3881



Protanomaly

47.5078, 59.0904, 41.7025



Deuteranomaly

49.9183, 58.7315, 47.2334



Tritanomaly

45.2214, 61.4949, 72.4371

Monochromacy



Original Color

40.0957, 61.8704, 46.3881



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

41.3526, 51.0622, 49.2714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0957, 61.8704, 46.3881 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(96, 230, 167)` looks like.

```
.text, #text, p{  
    color:rgb(96, 230, 167)  
}
```

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(96, 230, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 230, 167) }
```

Border

The CSS property to change the border of an element to XYZ 40.0957, 61.8704, 46.3881 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(96, 230, 167) }
```


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

```
.border{ border-color:rgb(96, 230, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 230, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 230, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 230, 167);  
box-shadow:4px 4px 4px 4px rgb(96, 230,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0957, 61.8704, 46.3881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 230, 167) }
```

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

```
.background{ background-color: rgb(96, 230,  
167) }
```

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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