

Converting Colors

XYZ(40.5083, 47.4219, 50.9399)

Have a look what the booklet for
XYZ(40.5083, 47.4219, 50.9399)
contains.

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Color

**XYZ(40.4889, 47.5664,
50.7633)**

Conversions

Conversions Part 1

Format	Color
Hex	9BBFB5
RGB	155, 191, 181
RGB Percent	61%, 75%, 71%
CMY	0.3921, 0.2510, 0.2902
CMYK	0.19, 0.00, 0.05, 0.25
HSL	163°, 22%, 68%
HSV	163°, 19%, 75%
XYZ	40.4889, 47.5664, 50.7633
YIQ	179.0960, -18.2460, -10.7420

Conversions

Conversions Part 2

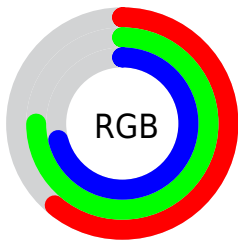
Format	Color
RYB	155, 176, 191
Decimal	10207157
CIELab	74.55, -14.09, 1.04
CIElCh	75, 14.128, 175.777
Yxy	47.5664, 0.2917, 0.3427
Android (android.graphics.Color)	4288397237 (0xFF9BBFB5)
YUV	179.0960, 0.9387, -21.1322
Hunter-Lab	68.9684, -15.9037, 4.6382

Details

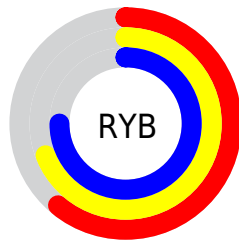
The XYZ color **40.4889, 47.5664, 50.7633** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.0005, 37.2370, 40.6787**, and the grayscale version is **42.9021, 45.1364, 49.1535**.

A 20% lighter version of the original color is **75.1252, 86.3376, 92.8261**, and **18.5783, 22.6190, 23.8088** is the 20% darker color. If you saturate the color by 10%, you get **36.5753, 45.6119, 47.7923**, and if you desaturate by 10%, it is **45.0058, 49.8321, 53.8728**.

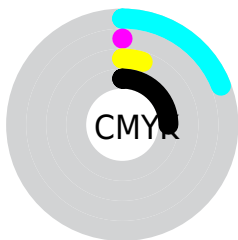
Distribution



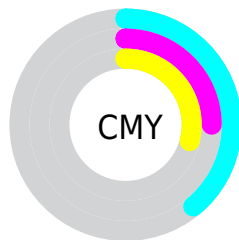
- Red (61%)
- Green (75%)
- Blue (71%)



- Red (61%)
- Yellow (69%)
- Blue (75%)



- Cyan (19%)
- Magenta (0%)
- Yellow (5%)
- Black (25%)





- Cyan (39%)
- Magenta (25%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4889, 47.5664, 50.7633 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 40.4889, 47.5664, 50.7633 by changing the saturation by 10% instead.


 40.4889, 47.5664,
50.7633


 40.4889, 47.5664,
50.7633


339.2791,
377.0709, 406.4637

 28.1058, 33.4836,
35.6448

 75.1870, 86.5585,
92.7127

 18.5463, 22.4972,
23.8725


 98.2328, 112.2366,
120.3808

 11.4450, 14.2227,
15.0278

125.5636,
142.5486, 153.0691

 6.4365, 8.2757,
8.6920

157.5446,
177.8788, 191.1962

 3.1554, 4.2719,
4.4468

194.5414,
218.6118, 235.1807

 1.2365, 1.8268,
1.8735

236.9191,

 0.1349, 0.5038,

265.1319, 285.4411

0.4758

285.0432,
317.8234, 342.3959

■ 0.0000, 0.0000,
0.0000

■ 40.4889, 47.5664,
50.7633

■ 40.4889, 47.5664,
50.7633

■ 36.5753, 45.6119,
47.7923

■ 45.0058, 49.8321,
53.8728

■ 33.2336, 43.9485,
44.9542

■ 50.1475, 52.4162,
57.1200

■ 30.4354, 42.5630,
42.2474

■ 55.9396, 55.3331,
60.5083

■ 28.1484, 41.4387,
39.6692

■ 62.4048, 58.5946,
64.0398

■ 26.3369, 40.5572,
37.2167

■ 69.5649, 62.2118,
67.7167

■ 24.9600, 39.8976,
34.8866

■ 71.8619, 63.3194,
71.2800

■ 23.9702, 39.4352,
32.6755

■ 72.5461, 63.5931,
74.8828

■ 23.2864, 39.1284,
30.5783

■ 73.2525, 63.8757,
78.6028

■ 23.2145, 39.0965,
30.3435

■ 73.9814, 64.1672,
82.4411

Harmonies

Analogous

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



41.2713, 47.5664, 44.2796



40.4889, 47.5664, 50.7633



40.9320, 47.5664, 58.1500

Triad

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



40.4889, 47.5664, 50.7633



47.3792, 47.5664, 65.5127



48.0282, 47.5664, 41.0140

Complementary

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



40.4889, 47.5664, 50.7633



40.0005, 37.2370, 40.6787

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.



49.7770, 47.5664, 45.9147



40.4889, 47.5664, 50.7633



49.3926, 47.5664, 60.1087

Square

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



40.4889, 47.5664, 50.7633



44.8499, 47.5664, 67.1175



50.2855, 47.5664, 52.8339



45.5729, 47.5664, 38.9969

Rectangle

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



40.4889, 47.5664, 50.7633



41.8720, 47.5664, 62.5355



50.2855, 47.5664, 52.8339



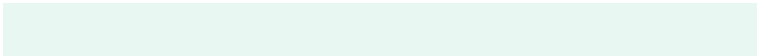
48.7217, 47.5664, 42.3549

Sweetspot

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



40.4902, 47.5684, 50.7644



83.0240, 90.4617, 98.0586



40.1074, 47.6511, 38.0949



18.1020, 19.7996, 21.4493



92.9021, 97.7402, 106.4391



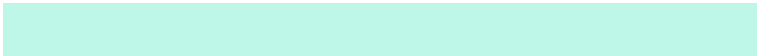
19.4759, 20.4902, 22.3138

Same Dimension

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



40.4902, 47.5684, 50.7644



69.2188, 83.5425, 88.4817



39.8979, 44.6815, 55.8141



9.6924, 10.7631, 11.6298



15.2911, 25.7067, 20.1276



0.6254, 1.0175, 0.9275

Inverse Universe

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



40.0005, 37.2370, 40.6787



68.1674, 61.3333, 66.8076



40.4656, 39.5678, 36.5157



9.6362, 9.5788, 10.4732



14.5735, 7.4605, 3.0475



0.5997, 0.3038, 0.2712

Previews

White Background



This preview shows how the XYZ color 40.4889, 47.5664, 50.7633 looks on a white background.

Color Contrast Check

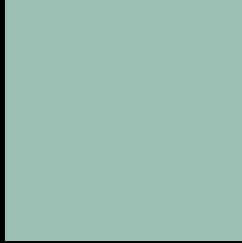
Large Text (above 18pt) WCAG AA × Fail

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 40.4889, 47.5664, 50.7633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

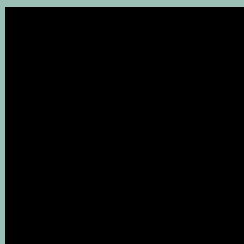
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

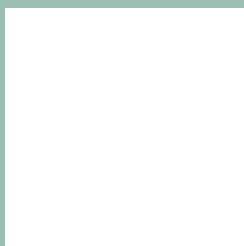
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.4889, 47.5664, 50.7633

Background



This preview shows how black text looks on a background with the XYZ color 40.4889, 47.5664, 50.7633.



This preview shows how white text looks on a background with the XYZ color 40.4889, 47.5664,

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

40.4889, 47.5664, 50.7633

Protanopia

45.3035, 47.2819, 47.8129

Deuteranopia

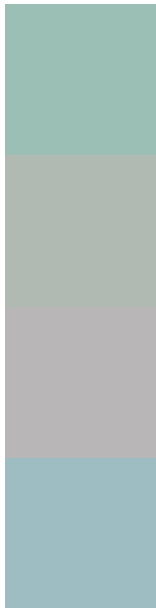
48.1933, 47.1843, 51.9148



Tritanopia

43.0608, 47.6492, 63.4276

Trichromacy



Original Color

40.4889, 47.5664, 50.7633

Protanomaly

43.2893, 47.1424, 48.9373

Deuteranomaly

45.0424, 47.0651, 51.5102

Tritanomaly

42.1485, 47.6044, 58.5969

Monochromacy



Original Color

40.4889, 47.5664, 50.7633

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.7493, 45.7083, 49.8022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4889, 47.5664, 50.7633 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(155, 191, 181)` looks like.

```
.text, #text, p{  
    color:rgb(155, 191, 181)  
}
```

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(155, 191, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 191, 181) }
```

Border

The CSS property to change the border of an element to XYZ 40.4889, 47.5664, 50.7633 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(155, 191, 181) }
```


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

```
.border{ border-color:rgb(155, 191, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 191, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 191, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 191, 181); box-shadow:4px 4px 4px 4px rgb(155, 191, 181) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4889, 47.5664, 50.7633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 191, 181) }
```

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

```
.background{ background-color: rgb(155,  
191, 181) }
```

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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