

Converting Colors

XYZ(37.6240, 50.6193, 45.5422)

Have a look what the booklet for
XYZ(37.6240, 50.6193, 45.5422)
contains.

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Color

**XYZ(37.6564, 50.6395,
45.3258)**

Conversions

Conversions Part 1

Format	Color
Hex	80CCA9
RGB	128, 204, 169
RGB Percent	50%, 80%, 66%
CMY	0.4980, 0.2000, 0.3372
CMYK	0.37, 0.00, 0.17, 0.20
HSL	152°, 43%, 65%
HSV	152°, 37%, 80%
XYZ	37.6564, 50.6395, 45.3258
YIQ	177.2860, -34.0610, -26.9970

Conversions

Conversions Part 2

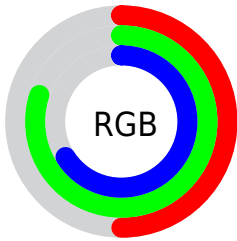
Format	Color
RYB	128, 177, 204
Decimal	8441001
CIELab	76.46, -31.31, 10.08
CIELCh	76, 32.889, 162.152
Yxy	50.6395, 0.2818, 0.3790
Android (android.graphics.Color)	4286631081 (0xFF80CCA9)
YUV	177.2860, -4.0850, -43.2238
Hunter-Lab	71.1614, -30.0759, 12.0486

Details

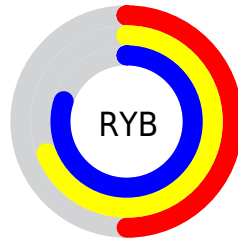
The XYZ color **37.6564, 50.6395, 45.3258** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.2336, 30.9213, 38.5530**, and the grayscale version is **41.9751, 44.1610, 48.0914**.

A 20% lighter version of the original color is **68.7430, 86.9691, 83.6846**, and **16.7824, 24.2351, 20.6229** is the 20% darker color. If you saturate the color by 10%, you get **34.0406, 48.8751, 40.7171**, and if you desaturate by 10%, it is **41.9553, 52.7514, 50.2995**.

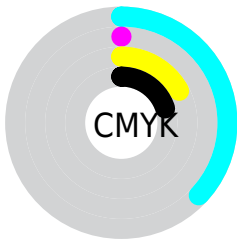
Distribution



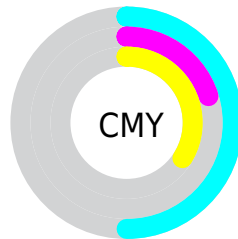
- Red (50%)
- Green (80%)
- Blue (66%)



- Red (50%)
- Yellow (69%)
- Blue (80%)



- Cyan (37%)
- Magenta (0%)
- Yellow (17%)
- Black (20%)



- Cyan (50%)
- Magenta (20%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6564, 50.6395, 45.3258 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 37.6564, 50.6395, 45.3258 by changing the saturation by 10% instead.

37.6564, 50.6395,
45.3258

37.6564, 50.6395,
45.3258

327.4501,
389.1615, 384.2900

25.8921, 35.9218,
31.3693

70.8885, 91.1217,
84.5327

16.8752, 24.3738,
20.6194

93.0870, 117.6549,
110.6202

10.2403, 15.6111,
12.6576

119.4943,
148.8955, 141.5885

5.6221, 9.2494,
7.0652

150.4758,
185.2277, 177.8560

2.6551, 4.9042,
3.4239

186.3967,
227.0360, 219.8414

0.9741, 2.1912,
1.3149

227.6225,

0.0000, 0.7152,

274.7049, 267.9632

0.0740

274.5185,
328.6186, 322.6399

■ 0.0000, 0.0000,
0.0000

■ 37.6564, 50.6395,
45.3258

■ 37.6564, 50.6395,
45.3258

■ 34.0406, 48.8751,
40.7171

■ 41.9553, 52.7514,
50.2995

■ 31.0651, 47.4323,
36.4614

■ 46.9684, 55.2227,
55.6432

■ 28.6889, 46.2914,
32.5506


■ 52.7301, 58.0722,
61.3660


■ 26.8639, 45.4279,
28.9750


■ 59.2710, 61.3157,
67.4757


■ 25.5342, 44.8130,
25.7245


■ 66.6201, 64.9680,
73.9798


 24.6237, 44.4076,
22.7875

 74.8049, 69.0430,
80.8856

 24.4110, 44.3145,
22.0333

 77.7958, 70.4324,
87.9168

 79.1879, 70.9892,
95.2473

 80.6527, 71.5751,
102.9609

Harmonies

Analogous

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



40.5691, 50.6395, 33.5099



37.6564, 50.6395, 45.3258



37.3968, 50.6395, 62.6384

Triad

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



37.6564, 50.6395, 45.3258



50.6836, 50.6395, 95.6809



57.5170, 50.6395, 35.2599

Complementary

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



37.6564, 50.6395, 45.3258



39.2336, 30.9213, 38.5530

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.



60.7454, 50.6395, 48.2613



37.6564, 50.6395, 45.3258



56.5793, 50.6395, 84.5051

Square

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



37.6564, 50.6395, 45.3258



44.5708, 50.6395, 94.4191



60.3882, 50.6395, 66.2726



51.8766, 50.6395, 28.6152

Rectangle

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



37.6564, 50.6395, 45.3258



38.7312, 50.6395, 75.3660



60.3882, 50.6395, 66.2726



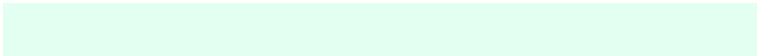
58.9412, 50.6395, 38.8976

Sweetspot

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



37.6578, 50.6416, 45.3269



83.4621, 94.2585, 97.8635



40.6908, 52.5823, 28.4276



17.5823, 20.0357, 20.6674



0.0000, 0.0000, 0.0000



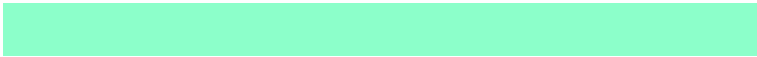
20.3446, 21.4041, 23.3091

Same Dimension

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



37.6578, 50.6416, 45.3269



57.2961, 81.3887, 68.6615



40.7985, 50.9422, 64.8117



11.3169, 12.6365, 13.2260



15.4115, 27.9099, 14.1176



0.8331, 1.4551, 0.9288

Inverse Universe

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



39.2336, 30.9213, 38.5530



60.2912, 43.9439, 55.8135



36.8534, 30.5046, 24.3684



11.4236, 11.2982, 12.7655



16.9897, 8.6065, 7.6645



0.9146, 0.4593, 0.5964

Previews

White Background



This preview shows how the XYZ color 37.6564, 50.6395, 45.3258 looks on a white background.

Color Contrast Check

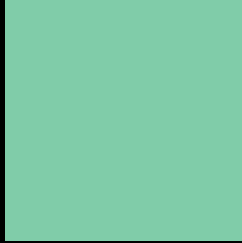
Large Text (above 18pt) WCAG AA × Fail

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 37.6564, 50.6395, 45.3258 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

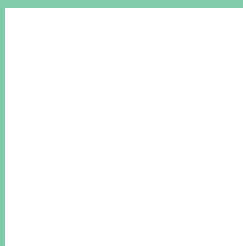
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6564, 50.6395, 45.3258

Background



This preview shows how black text looks on a background with the XYZ color 37.6564, 50.6395, 45.3258.



This preview shows how white text looks on a background with the XYZ color 37.6564, 50.6395,

45.3258.

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

37.6564, 50.6395, 45.3258

Protanopia

47.1414, 49.9490, 40.4142

Deuteranopia

51.0278, 49.9526, 46.9968



Tritanopia

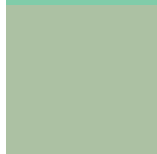
42.8129, 50.6465, 71.1376

Trichromacy



Original Color

37.6564, 50.6395, 45.3258



Protanomaly

42.6941, 49.5549, 41.9652



Deuteranomaly

44.7000, 49.1975, 46.1698



Tritanomaly

40.6788, 50.4541, 61.0207

Monochromacy



Original Color

37.6564, 50.6395, 45.3258



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

39.7084, 45.9676, 46.8242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6564, 50.6395, 45.3258 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(128, 204, 169)` looks like.

```
.text, #text, p{  
    color:rgb(128, 204, 169)  
}
```

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(128, 204, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 204, 169) }
```

Border

The CSS property to change the border of an element to XYZ 37.6564, 50.6395, 45.3258 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(128, 204, 169) }
```


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

```
.border{ border-color:rgb(128, 204, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 204, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 204, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 204, 169);  
box-shadow:4px 4px 4px 4px rgb(128, 204,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6564, 50.6395, 45.3258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 204, 169) }
```

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

```
.background{ background-color: rgb(128,  
204, 169) }
```

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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