

Converting Colors

XYZ(35.1181, 50.7033, 45.1279)

Have a look what the booklet for
XYZ(35.1181, 50.7033, 45.1279)
contains.

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Color

**XYZ(35.1032, 50.7637,
44.9940)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 66D0A8 |
| RGB | 102, 208, 168 |
| RGB Percent | 40%, 82%, 66% |
| CMY | 0.6000, 0.1843, 0.3412 |
| CMYK | 0.51, 0.00, 0.19, 0.18 |
| HSL | 157°, 53%, 61% |
| HSV | 157°, 51%, 82% |
| XYZ | 35.1032, 50.7637, 44.9940 |
| YIQ | 171.7460, -50.3360, -34.9120 |

Conversions

Conversions Part 2

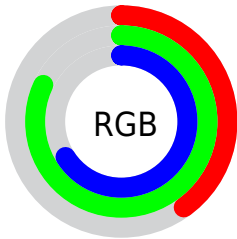
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 102, 167, 208 |
| Decimal | 6738088 |
| CIELab | 76.54, -40.13, 10.58 |
| CIELCh | 77, 41.497, 165.235 |
| Yxy | 50.7637, 0.2682, 0.3879 |
| Android (android.graphics.Color) | 4284928168 (0xFF66D0A8) |
| YUV | 171.7460, -1.8468, -61.1672 |
| Hunter-Lab | 71.2486, -36.7407, 12.4320 |

Details

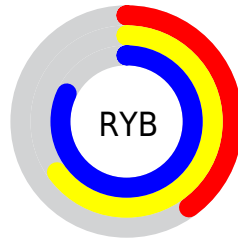
The XYZ color **35.1032, 50.7637, 44.9940** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **35.6479, 24.8668, 28.5138**, and the grayscale version is **39.1126, 41.1495, 44.8119**.

A 20% lighter version of the original color is **63.3774, 84.2186, 82.7275**, and **15.4187, 24.4945, 20.4383** is the 20% darker color. If you saturate the color by 10%, you get **32.3260, 49.4153, 41.1619**, and if you desaturate by 10%, it is **38.5187, 52.4387, 49.0887**.

Distribution



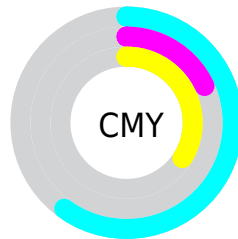
- Red (40%)
- Green (82%)
- Blue (66%)



- Red (40%)
- Yellow (65%)
- Blue (82%)



- Cyan (51%)
- Magenta (0%)
- Yellow (19%)
- Black (18%)





- Cyan (60%)
- Magenta (18%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.1032, 50.7637, 44.9940 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 35.1032, 50.7637, 44.9940 by changing the saturation by 10% instead.


 35.1032, 50.7637,
44.9940


 35.1032, 50.7637,
44.9940


316.5237,
389.6450, 382.9087


 23.9093, 36.0206,
31.1098


 66.9786, 91.3054,
84.0298

 15.3907, 24.4501,
20.4233


 88.3907, 117.8727,
110.0184

 9.1821, 15.6678,
12.5160


 113.9397,
149.1503, 140.8789

 4.9182, 9.2894,
6.9693

 143.9908,
185.5225, 177.0298

 2.2336, 4.9304,
3.3648

178.9094,
227.3736, 218.8898

 0.7604, 2.2065,
1.2838

219.0608,

 0.0000, 0.7235,

275.0882, 266.8772

0.0484

264.8104,
329.0505, 321.4106

■ 0.0000, 0.0000,
0.0000

■ 35.1032, 50.7637,
44.9940

■ 35.1032, 50.7637,
44.9940

■ 32.3260, 49.4153,
41.1619

■ 38.5187, 52.4387,
49.0887

■ 30.1370, 48.3637,
37.5827

■ 42.6096, 54.4554,
53.4482

■ 28.4852, 47.5843,
34.2509

■ 47.4147, 56.8350,
58.0795

■ 27.3085, 47.0448,
31.1594

■ 52.9689, 59.5954,
62.9878

■ 26.5532, 46.7122,
28.5635

■ 59.3046, 62.7532,
68.1782

■ 66.4522, 66.3241,
73.6559

■ 74.4406, 70.3229,
79.4257

■ 78.1920, 72.1317,
85.2533

■ 79.3247, 72.5848,
91.2178

Harmonies

Analogous

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



38.3276, 50.7637, 30.1250



35.1032, 50.7637, 44.9940



35.1291, 50.7637, 67.3986

Triad

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



35.1032, 50.7637, 44.9940



52.3158, 50.7637, 108.2025



59.6500, 50.7637, 29.9583

Complementary

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



35.1032, 50.7637, 44.9940



35.6479, 24.8668, 28.5138

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.



64.2868, 50.7637, 44.6967



35.1032, 50.7637, 44.9940



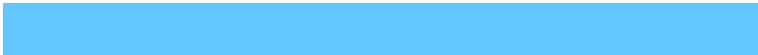
59.7507, 50.7637, 91.5466

Square

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



35.1032, 50.7637, 44.9940



44.5123, 50.7637, 108.3459



64.3255, 50.7637, 67.0093



52.1900, 50.7637, 23.1781

Rectangle

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



35.1032, 50.7637, 44.9940



36.9647, 50.7637, 84.0759



64.3255, 50.7637, 67.0093



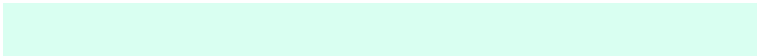
61.6245, 50.7637, 33.9377

Sweetspot

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



35.1046, 50.7657, 44.9952



80.1133, 92.5584, 96.5223



36.2200, 51.8802, 20.6759



16.7472, 19.6124, 20.3051



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.



35.1046, 50.7657, 44.9952



50.9528, 78.1972, 64.8116



36.5235, 46.6954, 66.7651



11.9613, 13.3283, 14.1528



16.5970, 29.1317, 18.0558



0.9659, 1.6440, 1.2091

Inverse Universe

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



35.6479, 24.8668, 28.5138



51.9291, 32.7430, 35.9987



34.4709, 26.4879, 15.8668



11.9906, 11.8810, 13.2266



17.1240, 8.7224, 5.5590



0.9956, 0.5029, 0.5115

Previews

White Background



This preview shows how the XYZ color 35.1032, 50.7637, 44.9940 looks on a white background.

Color Contrast Check

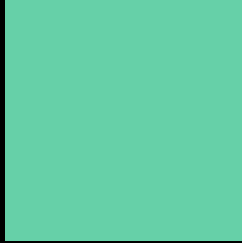
Large Text (above 18pt) WCAG AA × Fail

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 35.1032, 50.7637, 44.9940 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

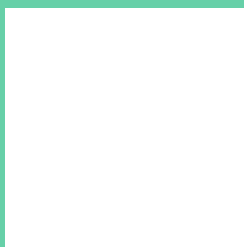
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.1032, 50.7637, 44.9940

Background



This preview shows how black text looks on a background with the XYZ color 35.1032, 50.7637, 44.9940.



This preview shows how white text looks on a background with the XYZ color 35.1032, 50.7637,

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

35.1032, 50.7637, 44.9940

Protanopia

47.2306, 50.0150, 39.5123

Deuteranopia

51.0278, 49.9526, 46.9968



Tritanopia

40.6135, 50.4960, 73.2518

Trichromacy



Original Color

35.1032, 50.7637, 44.9940



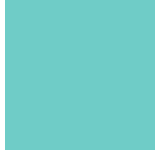
Protanomaly

41.1410, 49.4254, 41.5541



Deuteranomaly

42.8718, 48.8981, 46.2084



Tritanomaly

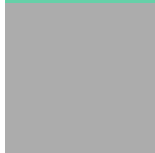
38.4572, 50.6888, 61.7898

Monochromacy



Original Color

35.1032, 50.7637, 44.9940



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.7323, 43.8412, 45.0543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1032, 50.7637, 44.9940 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(102, 208, 168)` looks like.

```
.text, #text, p{  
    color:rgb(102, 208, 168)  
}
```

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(102, 208, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 208, 168) }
```

Border

The CSS property to change the border of an element to XYZ 35.1032, 50.7637, 44.9940 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(102, 208, 168) }
```


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

```
.border{ border-color:rgb(102, 208, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 208, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 208, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 208, 168);  
box-shadow:4px 4px 4px 4px rgb(102, 208,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1032, 50.7637, 44.9940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 208, 168) }
```

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

```
.background{ background-color: rgb(102,  
208, 168) }
```

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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