

Converting Colors

XYZ(33.7806, 47.2172, 45.0272)

Have a look what the booklet for
XYZ(33.7806, 47.2172, 45.0272)
contains.

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Color

**XYZ(33.7596, 47.2373,
44.8745)**

Conversions

Conversions Part 1

Format	Color
Hex	6AC8A9
RGB	106, 200, 169
RGB Percent	42%, 78%, 66%
CMY	0.5843, 0.2157, 0.3372
CMYK	0.47, 0.00, 0.16, 0.22
HSL	160°, 46%, 60%
HSV	160°, 47%, 78%
XYZ	33.7596, 47.2373, 44.8745
YIQ	168.3600, -46.0730, -29.5690

Conversions

Conversions Part 2

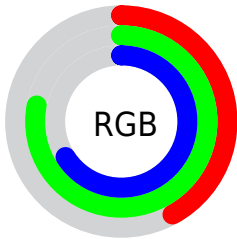
Format	Color
RYB	106, 162, 200
Decimal	6998185
CIELab	74.34, -35.30, 6.92
CIElCh	74, 35.977, 168.904
Yxy	47.2373, 0.2682, 0.3753
Android (android.graphics.Color)	4285188265 (0xFF6AC8A9)
YUV	168.3600, 0.3155, -54.6897
Hunter-Lab	68.7294, -32.5980, 9.3992

Details

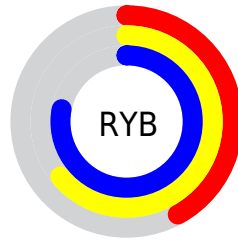
The XYZ color **33.7596, 47.2373, 44.8745** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.4904, 24.3949, 26.6124**, and the grayscale version is **37.4122, 39.3606, 42.8637**.

A 20% lighter version of the original color is **64.1148, 84.5832, 83.4680**, and **14.5552, 22.1635, 20.3405** is the 20% darker color. If you saturate the color by 10%, you get **31.0508, 45.9118, 41.5970**, and if you desaturate by 10%, it is **37.0565, 48.8648, 48.3447**.

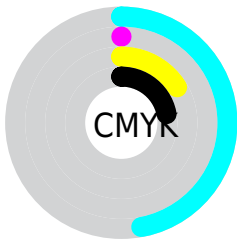
Distribution



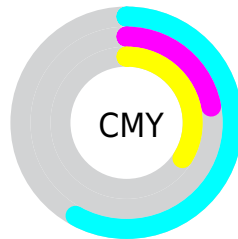
- Red (42%)
- Green (78%)
- Blue (66%)



- Red (42%)
- Yellow (64%)
- Blue (78%)



- Cyan (47%)
- Magenta (0%)
- Yellow (16%)
- Black (22%)



- Cyan (58%)
- Magenta (22%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7596, 47.2373, 44.8745 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 33.7596, 47.2373, 44.8745 by changing the saturation by 10% instead.

33.7596, 47.2373,
44.8745

33.7596, 47.2373,
44.8745

310.6636,
375.7609, 382.4103

22.8710, 33.2233,
31.0164

64.9064, 86.0677,
83.8485

14.6184, 22.2976,
20.3527

85.8954, 111.6529,
109.8015

8.6366, 14.0757,
12.4651

110.9818,
141.8640, 140.6231

4.5601, 8.1733,
6.9349

140.5310,
177.0853, 176.7319

2.0236, 4.2061,
3.3436

174.9085,
217.7013, 218.5465

0.6472, 1.7895,
1.2726

214.4795,

0.0000, 0.4806,

264.0963, 266.4854

0.0392

259.6094,
316.6547, 320.9672

■ 0.0000, 0.0000,
0.0000

■ 33.7596, 47.2373,
44.8745

■ 33.7596, 47.2373,
44.8745

■ 31.0508, 45.9118,
41.5970

■ 37.0565, 48.8648,
48.3447

■ 28.8866, 44.8624,
38.5046

■ 40.9734, 50.8070,
52.0084

■ 27.2237, 44.0678,
35.5940


■ 45.5444, 53.0827,
55.8704

■ 26.0101, 43.5014,
32.8603


■ 50.8000, 55.7075,
59.9344


■ 25.1756, 43.1271,
30.2976


■ 56.7687, 58.6962,
64.2039

 24.9610, 43.0326,
29.5598

 63.4774, 62.0624,
68.6824

 70.9514, 65.8194,
73.3730

 75.0493, 67.8319,
78.0842

 75.9498, 68.1921,
82.8262

Harmonies

Analogous

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



36.1573, 47.2373, 31.3832



33.7596, 47.2373, 44.8745



34.1235, 47.2373, 63.8654

Triad

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



33.7596, 47.2373, 44.8745



49.0512, 47.2373, 93.0556



53.5845, 47.2373, 28.9789

Complementary

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



33.7596, 47.2373, 44.8745



33.4904, 24.3949, 26.6124

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.



57.7299, 47.2373, 40.7294



33.7596, 47.2373, 44.8745



54.9439, 47.2373, 78.5974

Square

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



33.7596, 47.2373, 44.8745



42.5449, 47.2373, 94.9329



58.2500, 47.2373, 58.6021



47.3355, 47.2373, 23.7880

Rectangle

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



33.7596, 47.2373, 44.8745



35.8930, 47.2373, 77.2192



58.2500, 47.2373, 58.6021



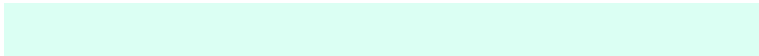
55.2949, 47.2373, 32.1409

Sweetspot

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



33.7609, 47.2392, 44.8756



81.2756, 93.1114, 98.6616



33.6286, 47.6977, 21.0707



16.9887, 19.7263, 20.7935



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.



33.7609, 47.2392, 44.8756



53.8409, 79.5272, 72.1249



33.5805, 41.6557, 60.9162



10.7922, 12.0058, 12.8560



15.9133, 27.3777, 19.0199



0.7859, 1.3093, 1.0714

Inverse Universe

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



33.4904, 24.3949, 26.6124



53.3400, 35.4060, 36.9586



33.3411, 27.1587, 17.1214



10.7757, 10.6937, 11.8022



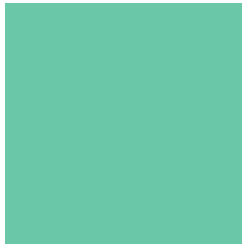
15.8070, 8.0724, 4.1935



0.7821, 0.3957, 0.3758

Previews

White Background



This preview shows how the XYZ color 33.7596, 47.2373, 44.8745 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 33.7596, 47.2373, 44.8745 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

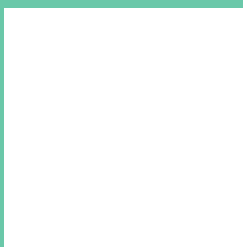
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7596, 47.2373, 44.8745

Background



This preview shows how black text looks on a background with the XYZ color 33.7596, 47.2373, 44.8745.



This preview shows how white text looks on a background with the XYZ color 33.7596, 47.2373,

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

33.7596, 47.2373, 44.8745

Protanopia

44.0171, 46.4981, 39.4560

Deuteranopia

47.5224, 46.6632, 46.5466



Tritanopia

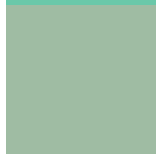
38.2608, 47.0186, 68.0317

Trichromacy



Original Color

33.7596, 47.2373, 44.8745



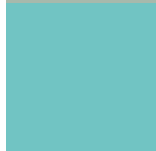
Protanomaly

38.8922, 45.9817, 41.4759



Deuteranomaly

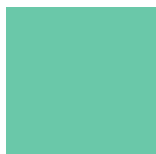
40.7317, 45.8920, 45.7410



Tritanomaly

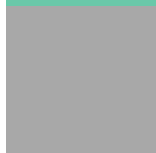
36.4003, 46.9307, 58.7698

Monochromacy



Original Color

33.7596, 47.2373, 44.8745



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

35.0662, 41.4894, 43.2059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7596, 47.2373, 44.8745 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(106, 200, 169)` looks like.

```
.text, #text, p{  
    color:rgb(106, 200, 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(106, 200, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 200, 169) }
```

Border

The CSS property to change the border of an element to XYZ 33.7596, 47.2373, 44.8745 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(106, 200, 169) }
```


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

```
.border{ border-color:rgb(106, 200, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 200, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 200, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 200, 169);  
box-shadow:4px 4px 4px 4px rgb(106, 200,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7596, 47.2373, 44.8745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 200, 169) }
```

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

```
.background{ background-color: rgb(106,  
200, 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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