

Converting Colors

XYZ(32.9723, 45.8008, 60.5254)

Have a look what the booklet for
XYZ(32.9723, 45.8008, 60.5254)
contains.

XYZ(32.9857, 45.8050, 60.5288)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.9857, 45.8050,
60.5288)**

Conversions

Conversions Part 1

Format	Color
Hex	47C6C6
RGB	71, 198, 198
RGB Percent	28%, 78%, 78%
CMY	0.7215, 0.2235, 0.2235
CMYK	0.64, 0.00, 0.00, 0.22
HSL	180°, 53%, 53%
HSV	180°, 64%, 78%
XYZ	32.9857, 45.8050, 60.5288
YIQ	160.0270, -75.6920, -26.9240

Conversions

Conversions Part 2

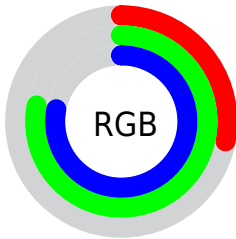
Format	Color
RYB	71, 135, 198
Decimal	4703942
CIELab	73.42, -34.06, -10.28
CIELCh	73, 35.572, 196.795
Yxy	45.8050, 0.2368, 0.3288
Android (android.graphics.Color)	4282894022 (0xFF47C6C6)
YUV	160.0270, 18.7207, -78.0767
Hunter-Lab	67.6794, -31.4413, -5.6502

Details

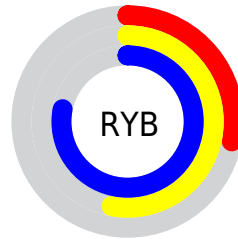
The XYZ color **32.9857, 45.8050, 60.5288** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **26.6809, 16.9687, 7.8318**, and the grayscale version is **33.3691, 35.1069, 38.2314**.

A 20% lighter version of the original color is **63.6415, 83.8083, 107.4301**, and **15.0073, 21.9601, 29.8333** is the 20% darker color. If you saturate the color by 10%, you get **31.7637, 45.1760, 60.4725**, and if you desaturate by 10%, it is **34.6835, 46.6813, 60.6094**.

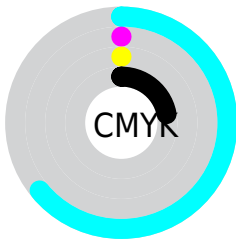
Distribution



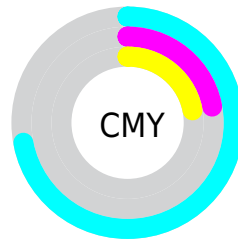
- Red (28%)
- Green (78%)
- Blue (78%)



- Red (28%)
- Yellow (53%)
- Blue (78%)



- Cyan (64%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)



- Cyan (72%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9857, 45.8050, 60.5288 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 32.9857, 45.8050, 60.5288 by changing the saturation by 10% instead.

■ 32.9857, 45.8050,
60.5288

■ 32.9857, 45.8050,
60.5288

307.2514,
370.0241, 444.4028

■ 22.2747, 32.0920,
43.4169

■ 63.7080, 83.9271,
107.1472

■ 14.1766, 21.4318,
29.8786

■ 84.4500, 109.1049,
137.4909

■ 8.3261, 13.4400,
19.4952

■ 109.2664,
138.8732, 173.0822

■ 4.3579, 7.7322,
11.8482

■ 138.5225,
173.6162, 214.3398

■ 1.9065, 3.9241,
6.5191

172.5838,
213.7184, 261.6820

■ 0.5806, 1.6312,
3.0894

211.8154,

■ 0.0000, 0.3785,

259.5642, 315.5276

1.1404

256.5828,
311.5380, 376.2950

■ 0.0000, 0.0000,
0.0000

■ 32.9857, 45.8050,
60.5288

■ 32.9857, 45.8050,
60.5288

■ 31.7637, 45.1760,
60.4725

■ 34.6835, 46.6813,
60.6094

■ 30.9653, 44.7645,
60.4350

■ 36.8944, 47.8210,
60.7131

■ 30.5341, 44.5422,
60.4146

■ 39.6568, 49.2451,
60.8425

■ 30.3879, 44.4668,
60.4077

■ 43.0043, 50.9708,
60.9993

■ 46.9677, 53.0140,
61.1850

■ 51.5758, 55.3896,
61.4008

■ 56.8556, 58.1114,
61.6480

■ 62.8323, 61.1925,
61.9279

■ 69.5302, 64.6454,
62.2415

Harmonies

Analogous

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



32.8236, 45.8050, 42.3958



32.9857, 45.8050, 60.5288



35.7941, 45.8050, 79.5071

Triad

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



32.9857, 45.8050, 60.5288



52.9271, 45.8050, 77.4387



46.3485, 45.8050, 23.2485

Complementary

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



32.9857, 45.8050, 60.5288



26.6809, 16.9687, 7.8318

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.



52.3213, 45.8050, 28.7049



32.9857, 45.8050, 60.5288



56.3580, 45.8050, 58.1833

Square

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



32.9857, 45.8050, 60.5288



47.1130, 45.8050, 90.7622



56.1262, 45.8050, 40.5490



40.1453, 45.8050, 23.5866

Rectangle

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



32.9857, 45.8050, 60.5288



38.9572, 45.8050, 88.8083



56.1262, 45.8050, 40.5490



48.4608, 45.8050, 24.3972

Sweetspot

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



32.9871, 45.8067, 60.5299



79.4165, 91.9406, 108.1678



24.0894, 42.2659, 12.8510



16.5734, 19.4600, 23.1325



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.



32.9871, 45.8067, 60.5299



55.5925, 79.6590, 107.0512



21.6845, 23.2013, 56.7633



10.9468, 12.0676, 13.6698



19.7613, 28.9169, 39.2833



0.9357, 1.3692, 1.8601

Inverse Universe

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



26.6809, 16.9687, 7.8318



43.5665, 24.6642, 6.5551



32.7312, 29.0694, 9.8483



10.6339, 10.6369, 11.0555



15.1453, 7.8077, 0.7088



0.7171, 0.3697, 0.0336

Previews

White Background



This preview shows how the XYZ color 32.9857, 45.8050, 60.5288 looks on a white background.

Color Contrast Check

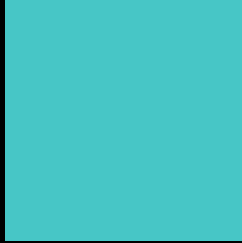
Large Text (above 18pt) WCAG AA × Fail

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 32.9857, 45.8050, 60.5288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

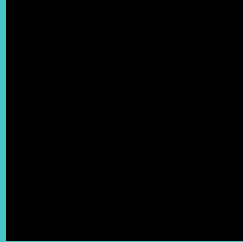
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

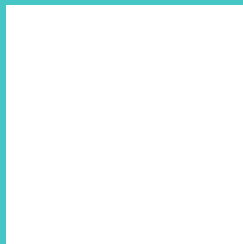
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.9857, 45.8050, 60.5288

Background



This preview shows how black text looks on a background with the XYZ color 32.9857, 45.8050, 60.5288.

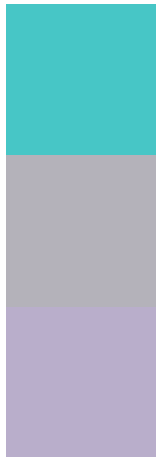


This preview shows how white text looks on a background with the XYZ color 32.9857, 45.8050,

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

32.9857, 45.8050, 60.5288

Protanopia

43.6057, 45.0893, 52.8592

Deuteranopia

45.9231, 44.8982, 62.7457



Tritanopia

34.7655, 45.8530, 69.3055

Trichromacy



Original Color

32.9857, 45.8050, 60.5288



Protanomaly

37.4584, 43.9911, 55.2321



Deuteranomaly

38.9777, 44.0133, 61.6994



Tritanomaly

34.1304, 45.9334, 66.0986

Monochromacy



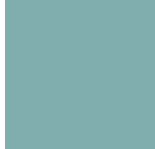
Original Color

32.9857, 45.8050, 60.5288



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

31.6781, 37.9173, 45.6936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9857, 45.8050, 60.5288 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(71, 198, 198)` looks like.

```
.text, #text, p{  
    color:rgb(71, 198, 198)  
}
```

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(71, 198, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 198, 198) }
```

Border

The CSS property to change the border of an element to XYZ 32.9857, 45.8050, 60.5288 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(71, 198, 198) }
```


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

```
.border{ border-color:rgb(71, 198, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 198, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 198, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 198, 198);  
box-shadow:4px 4px 4px 4px rgb(71, 198,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9857, 45.8050, 60.5288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 198, 198) }
```

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

```
.background{ background-color: rgb(71, 198,  
198) }
```

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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