

# Converting Colors

XYZ(32.8305, 45.6649, 37.2107)

Have a look what the booklet for  
XYZ(32.8305, 45.6649, 37.2107)  
contains.

<b>XYZ(32.8258, 45.5617, 37.2012)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(32.8258, 45.5617,  
37.2012)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75C499
RGB	117, 196, 153
RGB Percent	46%, 77%, 60%
CMY	0.5412, 0.2314, 0.4000
CMYK	0.40, 0.00, 0.22, 0.23
HSL	147°, 40%, 61%
HSV	147°, 40%, 77%
XYZ	32.8258, 45.5617, 37.2012
YIQ	167.4770, -33.2810, -30.1210

# Conversions

## Conversions Part 2

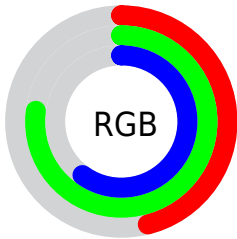
Format	Color
<a href="#">RYB</a>	<a href="#">117, 171, 196</a>
Decimal	<a href="#">7718041</a>
CIELab	<a href="#">73.26, -33.94, 14.08</a>
CIElCh	<a href="#">73, 36.744, 157.470</a>
Yxy	<a href="#">45.5617, 0.2840, 0.3942</a>
Android (android.graphics.Color)	<a href="#">4285908121 (0xFF75C499)</a>
YUV	<a href="#">167.4770, -7.1372, -44.2683</a>
Hunter-Lab	<a href="#">67.4994, -31.3172, 14.5729</a>

# Details

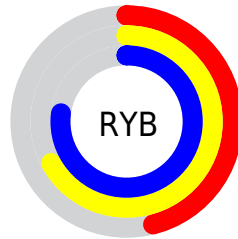
The XYZ color **32.8258, 45.5617, 37.2012** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **35.4729, 26.9974, 36.6007**, and the grayscale version is **37.0097, 38.9371, 42.4025**.

A 20% lighter version of the original color is **63.4010, 83.5262, 71.8121**, and **14.1212, 21.3621, 15.9494** is the 20% darker color. If you saturate the color by 10%, you get **29.6209, 44.0081, 32.6557**, and if you desaturate by 10%, it is **36.6633, 47.4348, 42.1896**.

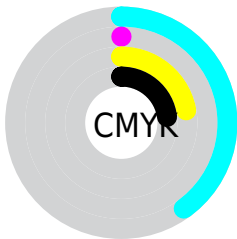
# Distribution



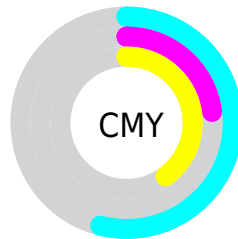
- Red (46%)
- Green (77%)
- Blue (60%)



- Red (46%)
- Yellow (67%)
- Blue (77%)



- Cyan (40%)
- Magenta (0%)
- Yellow (22%)
- Black (23%)



- Cyan (54%)
- Magenta (23%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8258, 45.5617, 37.2012 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 32.8258, 45.5617, 37.2012 by changing the saturation by 10% instead.



■ 32.8258, 45.5617,  
37.2012

■ 32.8258, 45.5617,  
37.2012

306.5429,  
369.0437, 349.3757

■ 22.1516, 31.9001,  
25.0663

■ 63.4600, 83.5627,  
72.0719

■ 14.0856, 21.2852,  
15.9070

■ 84.1507, 108.6708,  
95.6448

■ 8.2623, 13.3326,  
9.3047

■ 108.9109,  
138.3632, 123.8674

■ 4.3165, 7.6580,  
4.8409

138.1061,  
173.0244, 157.1583

■ 1.8827, 3.8769,  
2.0971

172.1015,  
213.0386, 195.9361

■ 0.5667, 1.6049,  
0.6141


211.2626,

■ 0.0000, 0.3609,


258.7903, 240.6192


0.0000

255.9546,  
310.6639, 291.6262


 0.0000, 0.0000,  
0.0000


 32.8258, 45.5617,  
37.2012


 32.8258, 45.5617,  
37.2012


 29.6209, 44.0081,  
32.6557


 36.6633, 47.4348,  
42.1896

 27.0083, 42.7497,  
28.5375


 41.1634, 49.6390,  
47.6298


 24.9483, 41.7675,  
24.8347


 46.3585, 52.1918,  
53.5341

 23.3947, 41.0381,  
21.5334


 52.2778, 55.1083,  
59.9135


 22.2931, 40.5335,  
18.6188


 58.9487, 58.4022,  
66.7787

 21.5573, 40.2082,  
16.1457

 66.3973, 62.0869,  
74.1399

 74.6482, 66.1748,  
82.0070

 76.4652, 66.9353,  
90.0499

 78.0829, 67.5824,  
98.5687

# Harmonies

## Analogous

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



36.1870, 45.5617, 26.4134



32.8258, 45.5617, 37.2012



32.1311, 45.5617, 54.3736

# Triad

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



32.8258, 45.5617, 37.2012



44.9382, 45.5617, 93.8402



53.9177, 45.5617, 30.9798

# Complementary

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



32.8258, 45.5617, 37.2012



35.4729, 26.9974, 36.6007

# 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.



56.8089, 45.5617, 45.1311



32.8258, 45.5617, 37.2012



51.3001, 45.5617, 83.4930

# Square

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



32.8258, 45.5617, 37.2012



38.7228, 45.5617, 90.2016



55.8062, 45.5617, 64.5079



48.2352, 45.5617, 23.4933



# Rectangle

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



32.8258, 45.5617, 37.2012



33.2030, 45.5617, 67.8718



55.8062, 45.5617, 64.5079



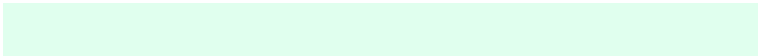
55.2727, 45.5617, 34.9566

# Sweetspot

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



32.8270, 45.5636, 37.2022



82.1078, 93.6246, 94.8980



37.5397, 48.2863, 24.1717



17.2982, 19.9037, 20.0024



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

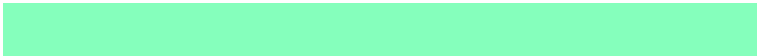


# Same Dimension

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



32.8270, 45.5636, 37.2022



54.4875, 80.1211, 60.3829



36.5975, 47.0718, 57.0573



10.1310, 11.3335, 11.6932



13.8932, 25.8514, 10.5968



0.6350, 1.1309, 0.6407



# Inverse Universe

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



35.4729, 26.9974, 36.6007



59.9077, 42.0597, 59.1302



32.5756, 25.8385, 21.3440



10.2974, 10.1675, 11.6564



16.3660, 8.2362, 9.8394



0.7416, 0.3696, 0.6064



# Previews

## White Background



This preview shows how the XYZ color 32.8258, 45.5617, 37.2012 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 32.8258, 45.5617, 37.2012 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

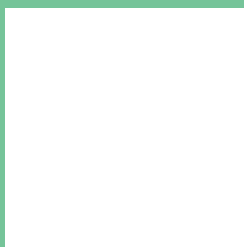
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 32.8258, 45.5617, 37.2012**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.8258, 45.5617, 37.2012.



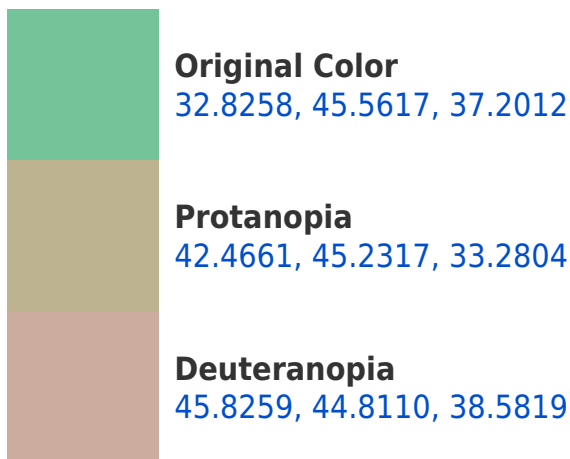
This preview shows how white text looks on a background with the XYZ color 32.8258, 45.5617,



# 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





## Tritanopia

38.1499, 45.4220, 63.8833

# Trichromacy



**Original Color**

32.8258, 45.5617, 37.2012

**Protanomaly**

37.7985, 44.6226, 34.6378

**Deuteranomaly**

39.5379, 44.2187, 37.9037

**Tritanomaly**

36.0640, 45.5620, 52.7925

# Monochromacy



**Original Color**

32.8258, 45.5617, 37.2012

**Achromatopsia**

36.7301, 38.6429, 42.0822

**Achromatomaly**

34.8364, 40.8390, 40.2291

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.8258, 45.5617, 37.2012 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(117, 196, 153)` looks like.

```
.text, #text, p{  
    color:rgb(117, 196, 153)  
}
```

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(117, 196, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 196, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 32.8258, 45.5617, 37.2012 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(117, 196, 153) }
```



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

```
.border{ border-color:rgb(117, 196, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 196, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 196, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 196, 153); box-shadow:4px 4px 4px 4px rgb(117, 196, 153) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.8258, 45.5617, 37.2012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 196, 153) }
```

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

```
.background{ background-color: rgb(117,  
196, 153) }
```

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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