

# Converting Colors

XYZ(32.9499, 45.7773, 42.3575)

Have a look what the booklet for  
XYZ(32.9499, 45.7773, 42.3575)  
contains.

<b>XYZ(32.9738, 45.8641, 42.2367)</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(32.9738, 45.8641,  
42.2367)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DC5A4
RGB	109, 197, 164
RGB Percent	43%, 77%, 64%
CMY	0.5725, 0.2274, 0.3569
CMYK	0.45, 0.00, 0.17, 0.23
HSL	157°, 43%, 60%
HSV	157°, 45%, 77%
XYZ	32.9738, 45.8641, 42.2367
YIQ	166.9260, -41.8550, -28.9190

# Conversions

## Conversions Part 2

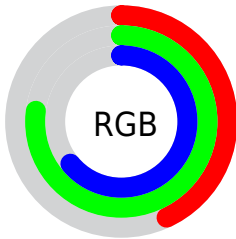
Format	Color
<a href="#">RYB</a>	<a href="#">109, 163, 197</a>
Decimal	<a href="#">7194020</a>
CIELab	<a href="#">73.46, -34.26, 8.38</a>
CIELCh	<a href="#">73, 35.272, 166.264</a>
Yxy	<a href="#">45.8641, 0.2723, 0.3788</a>
Android (android.graphics.Color)	<a href="#">4285384100 (0xFF6DC5A4)</a>
YUV	<a href="#">166.9260, -1.4425, -50.8011</a>
Hunter-Lab	<a href="#">67.7230, -31.6051, 10.4288</a>

# Details

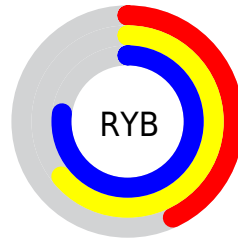
The XYZ color **32.9738, 45.8641, 42.2367** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.3787, 24.7618, 28.6133**, and the grayscale version is **36.7170, 38.6292, 42.0672**.

A 20% lighter version of the original color is **63.7450, 83.9974, 79.8712**, and **14.2153, 21.5717, 18.7438** is the 20% darker color. If you saturate the color by 10%, you get **30.1688, 44.4942, 38.7237**, and if you desaturate by 10%, it is **36.3632, 47.5332, 45.9814**.

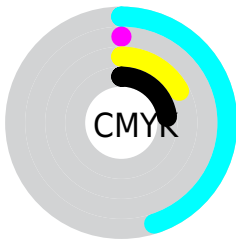
# Distribution



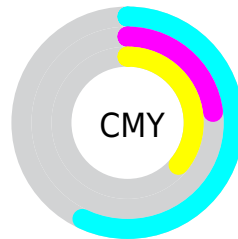
- Red (43%)
- Green (77%)
- Blue (64%)



- Red (43%)
- Yellow (64%)
- Blue (77%)



- Cyan (45%)
- Magenta (0%)
- Yellow (17%)
- Black (23%)



- Cyan (57%)
- Magenta (23%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9738, 45.8641, 42.2367 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 32.9738, 45.8641, 42.2367 by changing the saturation by 10% instead.



■ 32.9738, 45.8641,  
42.2367

■ 32.9738, 45.8641,  
42.2367

307.1987,  
370.2620, 371.2918

■ 22.2655, 32.1386,  
28.9597

■ 63.6896, 84.0156,  
79.8317

■ 14.1698, 21.4674,  
18.8050

■ 84.4278, 109.2103,  
104.9868

■ 8.3214, 13.4661,  
11.3541

■ 109.2400,  
138.9970, 134.9383

■ 4.3548, 7.7503,  
6.1884

■ 138.4916,  
173.7599, 170.1049

■ 1.9047, 3.9356,  
2.8893

172.5479,  
213.8834, 210.9049

■ 0.5796, 1.6376,  
1.0384

211.7743,

■ 0.0000, 0.3827,

259.7520, 257.7571

0.0000

256.5361,  
311.7501, 311.0799

■ 0.0000, 0.0000,  
0.0000

■ 32.9738, 45.8641,  
42.2367

■ 32.9738, 45.8641,  
42.2367

■ 30.1688, 44.4942,  
38.7237

■ 36.3632, 47.5332,  
45.9814

■ 27.9071, 43.3987,  
35.4342

■ 40.3671, 49.5134,  
49.9595

■ 26.1479, 42.5579,  
32.3636

■ 45.0182, 51.8226,  
54.1768


■ 24.8429, 41.9470,  
29.5062


■ 50.3454, 54.4757,  
58.6379


■ 23.9334, 41.5359,  
26.8555


■ 56.3761, 57.4867,  
63.3471

 23.5500, 41.3673,  
25.5229

 63.1361, 60.8687,  
68.3086

 70.6496, 64.6344,  
73.5266

 74.5406, 66.5276,  
78.7992

 75.5595, 66.9351,  
84.1643

# Harmonies

## Analogous

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



35.5077, 45.8641, 29.7999



32.9738, 45.8641, 42.2367



33.0873, 45.8641, 60.1608

# Triad

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



32.9738, 45.8641, 42.2367



47.0293, 45.8641, 90.5766



52.3969, 45.8641, 29.0489

# Complementary

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



32.9738, 45.8641, 42.2367



33.3787, 24.7618, 28.6133

# 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.



56.1145, 45.8641, 40.9446



32.9738, 45.8641, 42.2367



52.8198, 45.8641, 77.5660

# Square

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



32.9738, 45.8641, 42.2367



40.8131, 45.8641, 91.1595



56.2763, 45.8641, 58.5232



46.4952, 45.8641, 23.5032



# Rectangle

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



32.9738, 45.8641, 42.2367



34.6407, 45.8641, 73.0683



56.2763, 45.8641, 58.5232



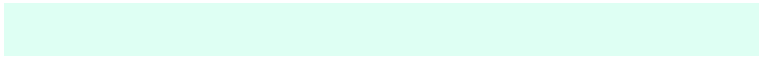
53.9670, 45.8641, 32.2906

# Sweetspot

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



32.9751, 45.8660, 42.2378



81.9508, 93.4709, 98.1749



34.0096, 46.8545, 21.7201



17.1106, 19.7926, 20.6400



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.



32.9751, 45.8660, 42.2378



53.9589, 79.6517, 69.2554



34.1000, 42.7119, 59.2725



10.7715, 11.9975, 12.7470



15.5309, 27.2247, 17.0059



0.7697, 1.3028, 0.9858



# Inverse Universe

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



33.3787, 24.7618, 28.6133



54.7921, 36.9149, 41.7441



32.4163, 26.2329, 17.8236



10.7956, 10.7016, 11.9071



15.9930, 8.1468, 5.1732



0.7923, 0.3998, 0.4294



# Previews

## White Background



This preview shows how the XYZ color 32.9738, 45.8641, 42.2367 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 32.9738, 45.8641, 42.2367 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

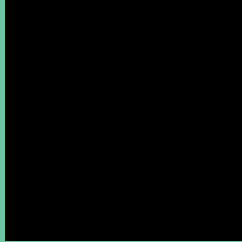
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 32.9738, 45.8641, 42.2367**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.9738, 45.8641, 42.2367.



This preview shows how white text looks on a background with the XYZ color 32.9738, 45.8641,



# 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

32.9738, 45.8641, 42.2367

### Protanopia

42.7755, 45.2981, 37.4992

### Deuteranopia

46.1924, 45.1692, 43.8200



## Tritanopia

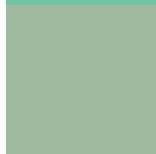
37.5171, 45.7109, 65.2382

# Trichromacy



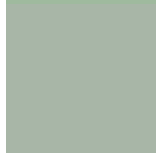
## Original Color

32.9738, 45.8641, 42.2367



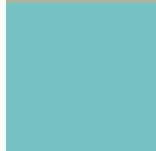
## Protanomaly

38.0285, 44.9574, 39.0211



## Deuteranomaly

39.8514, 44.5707, 43.0618



## Tritanomaly

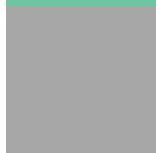
35.6764, 45.6145, 56.2144

# Monochromacy



## Original Color

32.9738, 45.8641, 42.2367



## Achromatopsia

36.7301, 38.6429, 42.0822



## Achromatomaly

34.6574, 40.7050, 42.1066

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.9738, 45.8641, 42.2367 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(109, 197, 164)` looks like.

```
.text, #text, p{  
    color:rgb(109, 197, 164)  
}
```

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(109, 197, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 197, 164) }
```

## Border

The CSS property to change the border of an element to XYZ 32.9738, 45.8641, 42.2367 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(109, 197, 164) }
```



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

```
.border{ border-color:rgb(109, 197, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 197, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 197, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 197, 164); box-shadow:4px 4px 4px 4px rgb(109, 197, 164) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.9738, 45.8641, 42.2367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 197, 164) }
```

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

```
.background{ background-color: rgb(109,  
197, 164) }
```

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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