

# Converting Colors

XYZ(32.6560, 46.4049, 39.6288)

Have a look what the booklet for  
XYZ(32.6560, 46.4049, 39.6288)  
contains.

<b>XYZ(32.6584, 46.4413, 39.5905)</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(32.6584, 46.4413,  
39.5905)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6BC79E
RGB	107, 199, 158
RGB Percent	42%, 78%, 62%
CMY	0.5804, 0.2196, 0.3804
CMYK	0.46, 0.00, 0.21, 0.22
HSL	153°, 45%, 60%
HSV	153°, 46%, 78%
XYZ	32.6584, 46.4413, 39.5905
YIQ	166.8180, -41.6710, -32.2550

# Conversions

## Conversions Part 2

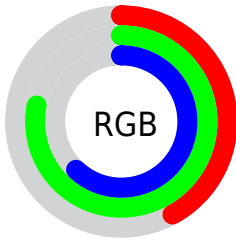
Format	Color
<a href="#">RYB</a>	<a href="#">107, 166, 199</a>
Decimal	<a href="#">7063454</a>
CIELab	<a href="#">73.83, -37.00, 12.13</a>
CIELCh	<a href="#">74, 38.936, 161.845</a>
Yxy	<a href="#">46.4413, 0.2752, 0.3913</a>
Android (android.graphics.Color)	<a href="#">4285253534 (0xFF6BC79E)</a>
YUV	<a href="#">166.8180, -4.3473, -52.4604</a>
Hunter-Lab	<a href="#">68.1479, -33.7164, 13.2590</a>

# Details

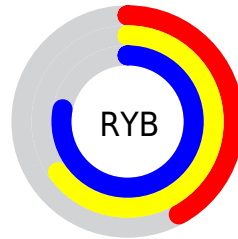
The XYZ color **32.6584, 46.4413, 39.5905** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **34.1578, 24.7968, 31.0048**, and the grayscale version is **36.6781, 38.5882, 42.0225**.

A 20% lighter version of the original color is **62.8745, 84.1106, 75.8719**, and **13.9425, 21.6862, 17.3609** is the 20% darker color. If you saturate the color by 10%, you get **29.7997, 45.0539, 35.6150**, and if you desaturate by 10%, it is **36.1253, 48.1384, 43.8841**.

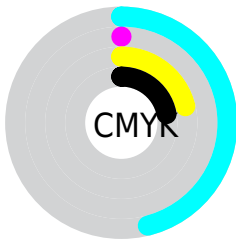
# Distribution



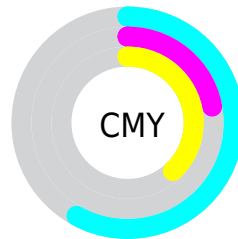
- Red (42%)
- Green (78%)
- Blue (62%)



- Red (42%)
- Yellow (65%)
- Blue (78%)



- Cyan (46%)
- Magenta (0%)
- Yellow (21%)
- Black (22%)




- Cyan (58%)
- Magenta (22%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6584, 46.4413, 39.5905 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 32.6584, 46.4413, 39.5905 by changing the saturation by 10% instead.




 32.6584, 46.4413,  
39.5905


 32.6584, 46.4413,  
39.5905


305.7999,  
372.5800, 359.8952


 22.0229, 32.5942,  
26.9081


 63.2001, 84.8791,  
75.7698


 13.9904, 21.8158,  
17.2724


 83.8370, 110.2385,  
100.1037

 8.1956, 13.7216,  
10.2649


 108.5383,  
140.2042, 129.1585

 4.2732, 7.9273,  
5.4670

 137.6695,  
175.1605, 163.3528

 1.8579, 4.0485,  
2.4603

171.5959,  
215.4918, 203.1051

 0.5522, 1.7007,  
0.8190

210.6829,

 0.0000, 0.4241,

261.5826, 248.8339

0.0000

255.2958,  
313.8172, 300.9577

■ 0.0000, 0.0000,  
0.0000

■ 32.6584, 46.4413,  
39.5905

■ 32.6584, 46.4413,  
39.5905

■ 29.7997, 45.0539,  
35.6150

■ 36.1253, 48.1384,  
43.8841

■ 27.5060, 43.9502,  
31.9465

■ 40.2323, 50.1577,  
48.5002

■ 25.7340, 43.1095,  
28.5779


■ 45.0137, 52.5181,  
53.4471


■ 24.4325, 42.5053,  
25.5002


■ 50.5000, 55.2351,  
58.7316


■ 23.5359, 42.1041,  
22.7038


■ 56.7199, 58.3234,  
64.3605

 23.2559, 41.9812,  
21.7191

 63.7003, 61.7968,  
70.3403

 71.4668, 65.6684,  
76.6773

 75.8006, 67.7631,  
83.1791

 77.0708, 68.2712,  
89.8677

# Harmonies

## Analogous

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



35.8402, 46.4413, 27.1454



32.6584, 46.4413, 39.5905



32.3491, 46.4413, 58.8058

# Triad

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



32.6584, 46.4413, 39.5905



46.9313, 46.4413, 97.8272



54.8225, 46.4413, 29.1534

# Complementary

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



32.6584, 46.4413, 39.5905



34.1578, 24.7968, 31.0048

# 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.



58.4983, 46.4413, 43.1355



32.6584, 46.4413, 39.5905



53.6338, 46.4413, 84.6287

# Square

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



32.6584, 46.4413, 39.5905



40.1206, 46.4413, 96.1501



58.0418, 46.4413, 63.4044



48.4215, 46.4413, 22.2960



# Rectangle

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



32.6584, 46.4413, 39.5905



33.7681, 46.4413, 73.4754



58.0418, 46.4413, 63.4044



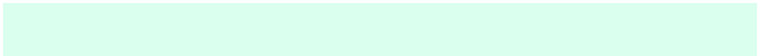
56.4465, 46.4413, 32.9959

# Sweetspot

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



32.6597, 46.4432, 39.5916



80.6570, 92.8639, 95.4043



35.3640, 48.2437, 21.3587



16.8377, 19.6659, 19.9982



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

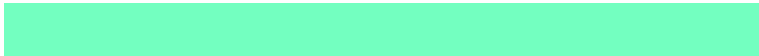


# Same Dimension

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



32.6597, 46.4432, 39.5916



52.3668, 78.9757, 62.6410



35.7547, 46.0131, 61.0320



10.7394, 11.9847, 12.5780



14.9981, 27.0116, 14.2007



0.7462, 1.2934, 0.8624



# Inverse Universe

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



34.1578, 24.7968, 31.0048



55.3035, 36.6490, 45.8875



31.9585, 24.7050, 16.9947



10.8270, 10.7142, 12.0723



16.3390, 8.2852, 6.9951

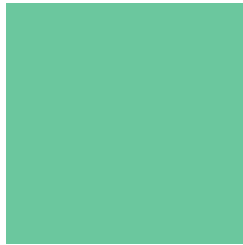


0.8100, 0.4068, 0.5225



# Previews

## White Background



This preview shows how the XYZ color 32.6584, 46.4413, 39.5905 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

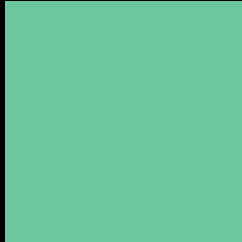
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 32.6584, 46.4413, 39.5905 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 32.6584, 46.4413, 39.5905**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.6584, 46.4413, 39.5905.



This preview shows how white text looks on a background with the XYZ color 32.6584, 46.4413,



# 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**

32.6584, 46.4413, 39.5905

**Protanopia**

43.2319, 45.8888, 35.0126

**Deuteranopia**

46.6488, 45.7538, 41.0230



## Tritanopia

37.9805, 46.2464, 66.5992

# Trichromacy



## Original Color

32.6584, 46.4413, 39.5905



## Protanomaly

37.9350, 45.2812, 36.4465



## Deuteranomaly

39.7287, 44.8752, 40.2861



## Tritanomaly

35.8796, 46.3928, 55.7788

# Monochromacy



## Original Color

32.6584, 46.4413, 39.5905



## Achromatopsia

36.7301, 38.6429, 42.0822



## Achromatomaly

34.4980, 40.9403, 41.2060

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.6584, 46.4413, 39.5905 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(107, 199, 158)` looks like.

```
.text, #text, p{  
    color:rgb(107, 199, 158)  
}
```

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(107, 199, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 199, 158) }
```

## Border

The CSS property to change the border of an element to XYZ 32.6584, 46.4413, 39.5905 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(107, 199, 158) }
```



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

```
.border{ border-color:rgb(107, 199, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 199, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 199, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 199, 158);  
box-shadow:4px 4px 4px 4px rgb(107, 199,  
158) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.6584, 46.4413, 39.5905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 199, 158) }
```

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

```
.background{ background-color: rgb(107,  
199, 158) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor