

# Converting Colors

XYZ(29.5032, 42.9166, 32.2815)

Have a look what the booklet for  
XYZ(29.5032, 42.9166, 32.2815)  
contains.

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# Color

**XYZ(29.5460, 42.9765,  
32.3292)**

# Conversions

## Conversions Part 1

Format	Color
Hex	67C18E
RGB	103, 193, 142
RGB Percent	40%, 76%, 56%
CMY	0.5961, 0.2431, 0.4431
CMYK	0.47, 0.00, 0.26, 0.24
HSL	146°, 42%, 58%
HSV	146°, 47%, 76%
XYZ	29.5460, 42.9765, 32.3292
YIQ	160.2760, -37.2690, -34.9410

# Conversions

## Conversions Part 2

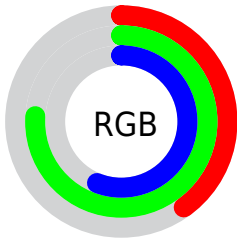
<b>Format</b>	<b>Color</b>
<b>RYB</b>	103, 166, 193
Decimal	6799758
CIELab	71.54, -38.62, 17.50
CIELCh	72, 42.398, 155.618
Yxy	42.9765, 0.2818, 0.4099
Android (android.graphics.Color)	4284989838 (0xFF67C18E)
YUV	160.2760, -9.0101, -50.2311
Hunter-Lab	65.5565, -34.2747, 16.6506

# Details

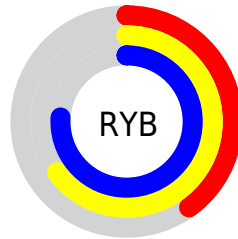
The XYZ color **29.5460, 42.9765, 32.3292** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **32.6768, 23.3721, 33.3627**, and the grayscale version is **33.5945, 35.3441, 38.4897**.

A 20% lighter version of the original color is **58.4475, 79.7277, 64.5330**, and **12.2911, 19.8188, 13.3028** is the 20% darker color. If you saturate the color by 10%, you get **26.8014, 41.6531, 28.1229**, and if you desaturate by 10%, it is **32.8844, 44.5991, 36.9858**.

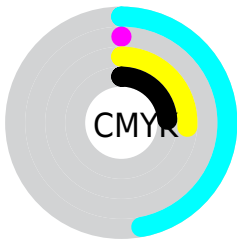
# Distribution



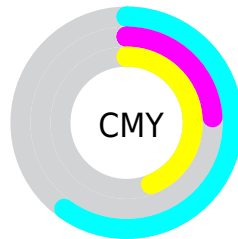
- Red (40%)
- Green (76%)
- Blue (56%)



- Red (40%)
- Yellow (65%)
- Blue (76%)



- Cyan (47%)
- Magenta (0%)
- Yellow (26%)
- Black (24%)




- Cyan (60%)
- Magenta (24%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5460, 42.9765, 32.3292 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 29.5460, 42.9765, 32.3292 by changing the saturation by 10% instead.





 29.5460, 42.9765,  
32.3292


 29.5460, 42.9765,  
32.3292


291.7304,  
358.5151, 327.1550


 19.6406, 29.8667,  
21.3462


 58.3350, 79.6754,  
64.4307

 12.2408, 19.7374,  
13.1836


 77.9494, 104.0333,  
86.3863

 6.9813, 12.2043,  
7.4229


 101.5307,  
132.9093, 112.8364

 3.4966, 6.8830,  
3.6455

 129.4445,  
166.6878, 144.1997

 1.4215, 3.3890,  
1.4330

162.0560,  
205.7532, 180.8947

 0.2715, 1.3380,  
0.1672

199.7306,

 0.0000, 0.1704,

250.4900, 223.3398

0.0000

242.8336,  
301.2825, 271.9537

■ 0.0000, 0.0000,  
0.0000

■ 29.5460, 42.9765,  
32.3292

■ 29.5460, 42.9765,  
32.3292

■ 26.8014, 41.6531,  
28.1229

■ 32.8844, 44.5991,  
36.9858

■ 24.6092, 40.6042,  
24.3502

■ 36.8477, 46.5331,  
42.1029

■ 22.9280, 39.8099,  
20.9974


■ 41.4687, 48.7963,  
47.6942


■ 21.7083, 39.2451,  
18.0490


■ 46.7770, 51.4038,  
53.7717


■ 20.8854, 38.8768,  
15.4879


■ 52.8001, 54.3696,  
60.3471

 20.6566, 38.7759,  
14.7080

 59.5643, 57.7069,  
67.4317

 67.0943, 61.4282,  
75.0361

 74.5234, 65.0866,  
83.1294

 76.1038, 65.7187,  
91.4517

# Harmonies

## Analogous

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



33.3420, 42.9765, 21.4997



29.5460, 42.9765, 32.3292



28.6196, 42.9765, 50.7616

# Triad

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



29.5460, 42.9765, 32.3292



42.2107, 42.9765, 98.0346



53.0952, 42.9765, 27.3802

# Complementary

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



29.5460, 42.9765, 32.3292



32.6768, 23.3721, 33.3627

# 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.



56.1410, 42.9765, 43.0389



29.5460, 42.9765, 32.3292



49.4032, 42.9765, 86.7301

# Square

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



29.5460, 42.9765, 32.3292



35.4230, 42.9765, 92.6864



54.7169, 42.9765, 65.0349



46.8001, 42.9765, 19.2821



# Rectangle

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



29.5460, 42.9765, 32.3292



29.6472, 42.9765, 65.9994



54.7169, 42.9765, 65.0349



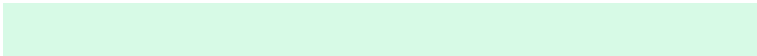
54.5645, 42.9765, 31.7306

# Sweetspot

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



29.5471, 42.9783, 32.3302



76.4470, 88.4605, 87.9629



35.1334, 46.1393, 19.8866



15.9782, 18.7705, 18.3780



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



29.5471, 42.9783, 32.3302



47.8918, 74.5462, 50.1915



33.4747, 44.5493, 53.0127



10.1216, 11.3297, 11.6436



13.7771, 25.8049, 9.9852



0.6298, 1.1288, 0.6132



# Inverse Universe

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



32.6768, 23.3721, 33.3627



54.1732, 35.1333, 52.2180



29.6856, 22.1756, 17.6114



10.3069, 10.1714, 11.7067



16.5174, 8.2967, 10.6368



0.7477, 0.3721, 0.6389



# Previews

## White Background



This preview shows how the XYZ color 29.5460, 42.9765, 32.3292 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 29.5460, 42.9765, 32.3292 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

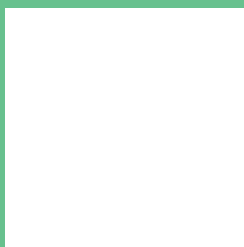
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 29.5460, 42.9765, 32.3292**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.5460, 42.9765, 32.3292.



This preview shows how white text looks on a background with the XYZ color 29.5460, 42.9765,



# 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

29.5460, 42.9765, 32.3292

### Protanopia

39.6194, 42.4047, 28.2871

### Deuteranopia

43.1673, 42.4227, 33.9302



## Tritanopia

35.2455, 42.7196, 61.0317

# Trichromacy



## Original Color

29.5460, 42.9765, 32.3292



## Protanomaly

34.6781, 41.8932, 29.5510



## Deuteranomaly

36.4275, 41.5189, 33.2882



## Tritanomaly

32.9300, 42.7318, 49.1603

# Monochromacy



## Original Color

29.5460, 42.9765, 32.3292



## Achromatopsia

33.4132, 35.1533, 38.2819



## Achromatomaly

31.1498, 37.2939, 35.6937

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.5460, 42.9765, 32.3292 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(103, 193, 142)` looks like.

```
.text, #text, p{  
    color:rgb(103, 193, 142)  
}
```

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(103, 193, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 193, 142) }
```

## Border

The CSS property to change the border of an element to XYZ 29.5460, 42.9765, 32.3292 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(103, 193, 142) }
```



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

```
.border{ border-color:rgb(103, 193, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 193, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 193, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 193, 142);  
box-shadow:4px 4px 4px 4px rgb(103, 193,  
142) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.5460, 42.9765, 32.3292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 193, 142) }
```

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

```
.background{ background-color: rgb(103,  
193, 142) }
```

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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