

# Converting Colors

XYZ(29.5729, 43.2594, 35.0965)

Have a look what the booklet for  
XYZ(29.5729, 43.2594, 35.0965)  
contains.

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# Color

**XYZ(29.6464, 43.2949,  
35.2280)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61C295
RGB	97, 194, 149
RGB Percent	38%, 76%, 58%
CMY	0.6196, 0.2392, 0.4157
CMYK	0.50, 0.00, 0.23, 0.24
HSL	152°, 44%, 57%
HSV	152°, 50%, 76%
XYZ	29.6464, 43.2949, 35.2280
YIQ	159.8670, -43.3670, -34.5590

# Conversions

## Conversions Part 2

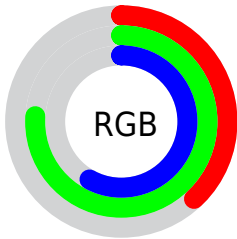
<b>Format</b>	<b>Color</b>
<b>RYB</b>	97, 160, 194
Decimal	6406805
CIELab	71.75, -39.16, 14.00
CIElCh	72, 41.591, 160.329
Yxy	43.2949, 0.2741, 0.4003
Android (android.graphics.Color)	4284596885 (0xFF61C295)
YUV	159.8670, -5.3574, -55.1344
Hunter-Lab	65.7989, -34.7229, 14.3160

# Details

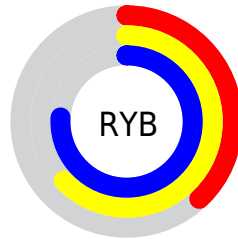
The XYZ color **29.6464, 43.2949, 35.2280** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **31.4068, 21.9728, 28.1788**, and the grayscale version is **33.3915, 35.1305, 38.2571**.

A 20% lighter version of the original color is **58.4135, 80.0785, 68.8779**, and **12.3456, 20.0313, 14.7710** is the 20% darker color. If you saturate the color by 10%, you get **27.1357, 42.0816, 31.5038**, and if you desaturate by 10%, it is **32.7205, 44.7945, 39.2704**.

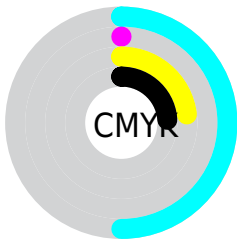
# Distribution



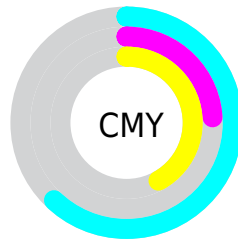
- Red (38%)
- Green (76%)
- Blue (58%)



- Red (38%)
- Yellow (63%)
- Blue (76%)



- Cyan (50%)
- Magenta (0%)
- Yellow (23%)
- Black (24%)




- Cyan (62%)
- Magenta (24%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6464, 43.2949, 35.2280 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 29.6464, 43.2949, 35.2280 by changing the saturation by 10% instead.





 29.6464, 43.2949,  
35.2280


 29.6464, 43.2949,  
35.2280


292.1922,  
359.8231, 340.5084


 19.7171, 30.1166,  
23.5536


 58.4930, 80.1557,  
68.9944


 12.2966, 19.9271,  
14.7937


 78.1410, 104.6069,  
91.9235

 7.0197, 12.3421,  
8.5297


 101.7593,  
133.5846, 119.4412

 3.5208, 6.9771,  
4.3431

 129.7132,  
167.4731, 151.9661

 1.4348, 3.4478,  
1.8154

162.3681,  
206.6568, 189.9167

 0.2808, 1.3697,  
0.4381

200.0893,

 0.0000, 0.1943,

251.5201, 233.7116

0.0000

243.2423,  
302.4474, 283.7693

■ 0.0000, 0.0000,  
0.0000

■ 29.6464, 43.2949,  
35.2280

■ 29.6464, 43.2949,  
35.2280

■ 27.1357, 42.0816,  
31.5038

■ 32.7205, 44.7945,  
39.2704

■ 25.1460, 41.1295,  
28.0865

■ 36.3893, 46.5930,  
43.6359

■ 23.6347, 40.4178,  
24.9682


■ 40.6860, 48.7086,  
48.3332


■ 22.5497, 39.9199,  
22.1396


■ 45.6403, 51.1563,  
53.3695

■ 21.7912, 39.5846,  
19.5887


■ 51.2799, 53.9503,  
58.7520

 21.7912, 39.5846,  
19.5885

 57.6307, 57.1039,  
64.4873

 64.7175, 60.6297,  
70.5823

 72.5637, 64.5397,  
77.0432

 74.8163, 65.5586,  
83.5779

# Harmonies

## Analogous

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



32.9761, 43.2949, 23.2813



29.6464, 43.2949, 35.2280



29.1889, 43.2949, 54.4599

# Triad

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



29.6464, 43.2949, 35.2280



43.6325, 43.2949, 96.6609



52.3903, 43.2949, 26.1924

# Complementary

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



29.6464, 43.2949, 35.2280



31.4068, 21.9728, 28.1788

# 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.



56.0012, 43.2949, 40.5087



29.6464, 43.2949, 35.2280



50.5751, 43.2949, 83.4213

# Square

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



29.6464, 43.2949, 35.2280



36.7482, 43.2949, 94.0398



55.3014, 43.2949, 61.4754



45.8911, 43.2949, 19.1923



# Rectangle

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



29.6464, 43.2949, 35.2280



30.5109, 43.2949, 69.6219



55.3014, 43.2949, 61.4754



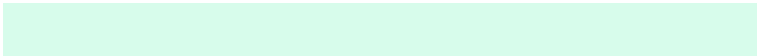
54.0140, 43.2949, 30.1093

# Sweetspot

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



29.6476, 43.2967, 35.2290



77.8321, 90.2791, 91.8314



32.6520, 45.2229, 18.3179



16.6293, 19.5652, 19.6843



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.



29.6476, 43.2967, 35.2290



48.7784, 76.0541, 56.4616



33.2488, 43.5982, 57.7039



10.1651, 11.3471, 11.8726



14.3683, 26.0414, 13.0985



0.6553, 1.1390, 0.7478



# Inverse Universe

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



31.4068, 21.9728, 28.1788



52.3345, 33.0329, 42.2717



28.9867, 21.4926, 13.9306



10.2633, 10.1539, 11.4768



15.8815, 8.0423, 7.2880



0.7210, 0.3614, 0.4980



# Previews

## White Background



This preview shows how the XYZ color 29.6464, 43.2949, 35.2280 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 29.6464, 43.2949, 35.2280 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

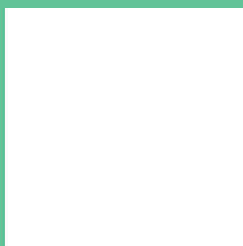
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 29.6464, 43.2949, 35.2280**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.6464, 43.2949, 35.2280.



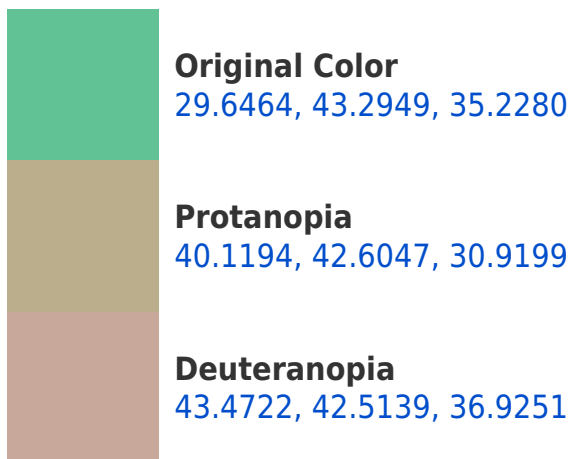
This preview shows how white text looks on a background with the XYZ color 29.6464, 43.2949,

35.2280.

# 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

35.1131, 43.2497, 62.3745

# Trichromacy



## Original Color

29.6464, 43.2949, 35.2280



## Protanomaly

34.8082, 41.9009, 32.2397



## Deuteranomaly

36.3722, 41.4256, 36.2159



## Tritanomaly

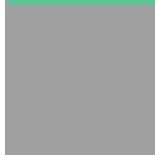
33.0241, 43.3716, 51.4307

# Monochromacy



## Original Color

29.6464, 43.2949, 35.2280



## Achromatopsia

33.4132, 35.1533, 38.2819



## Achromatomaly

31.0698, 37.2237, 36.9998

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.6464, 43.2949, 35.2280 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(97, 194, 149)` looks like.

```
.text, #text, p{  
    color:rgb(97, 194, 149)  
}
```

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(97, 194, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 194, 149) }
```

## Border

The CSS property to change the border of an element to XYZ 29.6464, 43.2949, 35.2280 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(97, 194, 149) }
```



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

```
.border{ border-color:rgb(97, 194, 149) }
```

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

Here you see how a box with a 4 pixel rgb(97, 194, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 194, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 194, 149);  
box-shadow:4px 4px 4px 4px rgb(97, 194,  
149) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.6464, 43.2949, 35.2280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 194, 149) }
```

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

```
.background{ background-color: rgb(97, 194,  
149) }
```

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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