

# Converting Colors

XYZ(15.4580, 18.4518, 24.6799)

Have a look what the booklet for  
XYZ(15.4580, 18.4518, 24.6799)  
contains.

<b>XYZ(15.4290, 18.3594, 24.5603)</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(15.4290, 18.3594,  
24.5603)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	577D84
RGB	87, 125, 132
RGB Percent	34%, 49%, 52%
CMY	0.6588, 0.5098, 0.4823
CMYK	0.34, 0.05, 0.00, 0.48
HSL	189°, 21%, 43%
HSV	189°, 34%, 52%
XYZ	15.4290, 18.3594, 24.5603
YIQ	114.4360, -24.8950, -5.8790

# Conversions

## Conversions Part 2

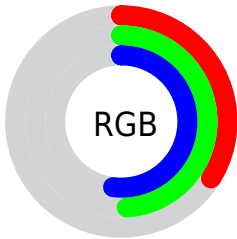
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	87, 108, 132
Decimal	5733764
CIE <sub>Lab</sub>	49.93, -11.42, -8.08
CIE <sub>LCh</sub>	50, 13.990, 215.254
Yxy	18.3594, 0.2644, 0.3146
Android (android.graphics.Color)	4283923844 (0xFF577D84)
YUV	114.4360, 8.6591, -24.0614
Hunter-Lab	42.8479, -10.7081, -3.9914

# Details

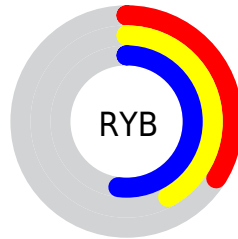
The XYZ color **15.4290, 18.3594, 24.5603** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.2391, 13.5994, 10.8392**, and the grayscale version is **16.1058, 16.9446, 18.4527**.

A 20% lighter version of the original color is **35.1586, 40.7468, 51.9108**, and **4.9451, 6.2055, 9.1208** is the 20% darker color. If you saturate the color by 10%, you get **14.0504, 17.2673, 24.4225**, and if you desaturate by 10%, it is **17.0394, 19.5799, 24.7113**.

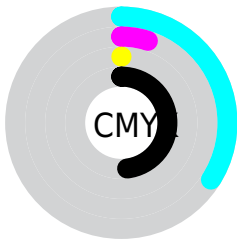
# Distribution



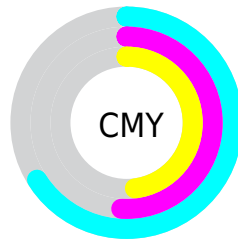
- Red (34%)
- Green (49%)
- Blue (52%)



- Red (34%)
- Yellow (42%)
- Blue (52%)



- Cyan (34%)
- Magenta (5%)
- Yellow (0%)
- Black (48%)



- Cyan (66%)
- Magenta (51%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4290, 18.3594, 24.5603 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 15.4290, 18.3594, 24.5603 by changing the saturation by 10% instead.



■ 15.4290, 18.3594,  
24.5603

■ 15.4290, 18.3594,  
24.5603

219.2856,  
242.8891, 289.0183

■ 9.2093, 11.2083,  
15.5337

■ 35.1695, 40.6488,  
51.8982

■ 4.9361, 6.2071,  
9.0441

■ 49.4211, 56.5559,  
71.0467

■ 2.2442, 2.9714,  
4.6727

■ 67.0806, 76.1505,  
94.4062

■ 0.7659, 1.1168,  
2.0012

■ 88.5135, 99.8169,  
122.3953

■ 0.0000, 0.0000,  
0.5560

■ 114.0851,  
127.9396, 155.4325

■ 0.0000, 0.0000,  
0.0000

144.1607,

160.9029, 193.9364

179.1058,  
199.0913, 238.3255

■ 15.4290, 18.3594,  
24.5603

■ 15.4290, 18.3594,  
24.5603

■ 14.0504, 17.2673,  
24.4225

■ 17.0394, 19.5799,  
24.7113

■ 12.8898, 16.2950,  
24.2960

■ 18.8915, 20.9325,  
24.8748

■ 11.9340, 15.4363,  
24.1806

■ 20.9963, 22.4235,  
25.0516

■ 11.1682, 14.6832,  
24.0756

■ 23.3639, 24.0581,  
25.2424

■ 10.5750, 14.0270,  
23.9802

■ 26.0037, 25.8412,  
25.4474

■ 10.1325, 13.4562,  
23.8934

■ 28.9247, 27.7775,  
25.6672

■ 9.9008, 13.1378,  
23.8441

■ 32.1355, 29.8714,  
25.9021

■ 35.6441, 32.1271,  
26.1526

■ 39.4586, 34.5489,  
26.4190

# Harmonies

## Analogous

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



15.0075, 18.3594, 20.6738



15.4290, 18.3594, 24.5603



16.3933, 18.3594, 27.4705

# Triad

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



15.4290, 18.3594, 24.5603



19.8968, 18.3594, 23.2418



17.2151, 18.3594, 13.5044

# Complementary

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



15.4290, 18.3594, 24.5603



15.2391, 13.5994, 10.8392

# 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.



18.5512, 18.3594, 14.0085



15.4290, 18.3594, 24.5603



20.1443, 18.3594, 19.3220

# Square

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



15.4290, 18.3594, 24.5603



18.9803, 18.3594, 26.6435



19.6403, 18.3594, 16.0255



16.0044, 18.3594, 14.5485



# Rectangle

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



15.4290, 18.3594, 24.5603



17.2377, 18.3594, 28.2849



19.6403, 18.3594, 16.0255



17.6642, 18.3594, 13.5000

# Sweetspot

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



15.4296, 18.3601, 24.5607



34.6564, 37.8580, 43.9339



14.1914, 19.3328, 13.5152



7.9671, 8.7418, 10.2201



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052



# Same Dimension

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



15.4296, 18.3601, 24.5607



25.2441, 30.8159, 43.0707



12.9213, 13.3436, 23.7246



4.7416, 5.1588, 5.9466



9.5895, 12.7268, 23.0878



0.0373, 0.0523, 0.0814



# Inverse Universe

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



16.6261, 13.2032, 21.0750



27.7376, 20.4464, 35.7218



17.5107, 18.1426, 11.5964



4.8276, 4.7507, 5.7045



12.0184, 5.8717, 15.2013



0.0437, 0.0212, 0.0636



# Previews

## White Background



This preview shows how the XYZ color 15.4290, 18.3594, 24.5603 looks on a white 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 × Fail



# Black Background



This preview shows how the XYZ color 15.4290, 18.3594, 24.5603 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 × Fail

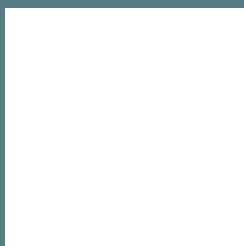
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 15.4290, 18.3594, 24.5603**

## **Background**



This preview shows how black text looks on a background with the XYZ color 15.4290, 18.3594, 24.5603.



This preview shows how white text looks on a background with the XYZ color 15.4290, 18.3594,



# 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

15.4290, 18.3594, 24.5603

### Protanopia

17.7804, 18.3407, 22.6817

### Deuteranopia

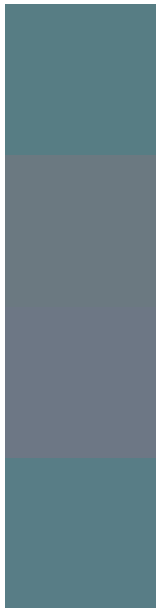
18.4598, 18.1203, 25.0789



## Tritanopia

15.7313, 18.4912, 25.6617

# Trichromacy



## Original Color

15.4290, 18.3594, 24.5603

## Protanomaly

16.8632, 18.3855, 23.4289

## Deuteranomaly

17.1371, 18.1383, 24.7881

## Tritanomaly

15.6612, 18.4632, 25.2926

# Monochromacy



## Original Color

15.4290, 18.3594, 24.5603

## Achromatopsia

15.9940, 16.8269, 18.3245

## Achromatomaly

15.6385, 17.2804, 20.6004

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 15.4290, 18.3594, 24.5603 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(87, 125, 132)` looks like.

```
.text, #text, p{  
    color:rgb(87, 125, 132)  
}
```

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(87, 125, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 125, 132) }
```

## Border

The CSS property to change the border of an element to XYZ 15.4290, 18.3594, 24.5603 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(87, 125, 132) }
```



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

```
.border{ border-color:rgb(87, 125, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 125, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 125, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 125, 132);  
box-shadow:4px 4px 4px 4px rgb(87, 125,  
132) }
```

# Background

The CSS property to change the background color of an element to XYZ 15.4290, 18.3594, 24.5603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 125, 132) }
```

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

```
.background{ background-color: rgb(87, 125,  
132) }
```

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