

# Converting Colors

XYZ(25.6448, 26.8613, 56.6564)

Have a look what the booklet for  
XYZ(25.6448, 26.8613, 56.6564)  
contains.

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# Color

**XYZ(25.6448, 26.8613,  
56.6564)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6790C5
RGB	103, 144, 197
RGB Percent	40%, 56%, 77%
CMY	0.5961, 0.4353, 0.2274
CMYK	0.48, 0.27, 0.00, 0.23
HSL	214°, 45%, 59%
HSV	214°, 48%, 77%
XYZ	25.6448, 26.8613, 56.6564
YIQ	137.7830, -41.4490, 7.7910

# Conversions

## Conversions Part 2

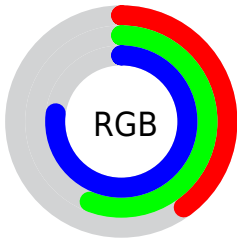
Format	Color
R <sub>Y</sub> B	103, 132, 197
Decimal	6787269
CIE Lab	58.85, 0.48, -31.82
CIE LCh	59, 31.824, 270.863
Yxy	26.8613, 0.2349, 0.2461
Android (android.graphics.Color)	4284977349 (0xFF6790C5)
YUV	137.7830, 29.1940, -30.5047
Hunter-Lab	51.8279, -2.3758, -28.5342

# Details

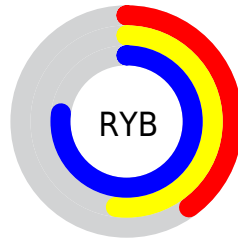
The XYZ color **25.6448, 26.8613, 56.6564** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.3634, 36.6275, 17.9336**, and the grayscale version is **23.9793, 25.2281, 27.4734**.

A 20% lighter version of the original color is **52.1840, 54.8130, 101.5955**, and **10.1329, 10.5929, 27.4972** is the 20% darker color. If you saturate the color by 10%, you get **22.0454, 22.6304, 56.0300**, and if you desaturate by 10%, it is **29.9439, 31.6997, 57.3642**.

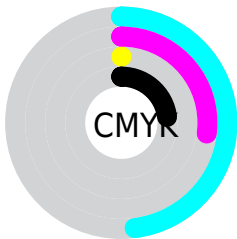
# Distribution



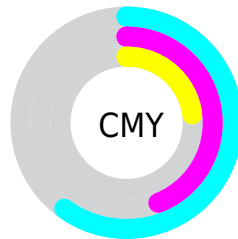
- Red (40%)
- Green (56%)
- Blue (77%)



- Red (40%)
- Yellow (52%)
- Blue (77%)



- Cyan (48%)
- Magenta (27%)
- Yellow (0%)
- Black (23%)



- Cyan (60%)
- Magenta (44%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.6448, 26.8613, 56.6564 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 25.6448, 26.8613, 56.6564 by changing the saturation by 10% instead.



■ 25.6448, 26.8613,  
56.6564

■ 25.6448, 26.8613,  
56.6564

273.3228,  
286.9849, 429.6182

■ 16.6894, 17.4691,  
40.3219

■ 52.1368, 54.6612,  
101.4590

■ 10.1072, 10.5695,  
27.4739

■ 70.4040, 73.8377,  
130.7642

■ 5.5329, 5.7782,  
17.6939

■ 92.5059, 97.0444,  
165.2301

■ 2.6011, 2.7107,  
10.5633

■ 118.8079,  
124.6657, 205.2751

■ 0.9465, 0.9826,  
5.6635

149.6752,  
157.0860, 251.3179

■ 0.0000, 0.0000,  
2.5761

185.4732,

■ 0.0000, 0.0000,

194.6897, 303.7770

0.8801

226.5673,  
237.8612, 363.0709

■ 0.0000, 0.0000,  
0.0000

■ 25.6448, 26.8613,  
56.6564

■ 25.6448, 26.8613,  
56.6564

■ 22.0454, 22.6304,  
56.0300

■ 29.9439, 31.6997,  
57.3642

■ 19.1003, 18.9749,  
55.4796

■ 34.9787, 37.1694,  
58.1546

■ 16.7623, 15.8637,  
55.0023

■ 40.7860, 43.2964,  
59.0312

■ 14.9759, 13.2604,  
54.5940

■ 47.3991, 50.1041,  
59.9966

■ 13.6625, 11.1163,  
54.2493

■ 54.8493, 57.6146,  
61.0537

■ 13.4000, 10.6749,  
54.1780

■ 63.1661, 65.8492,  
62.2047

■ 72.3775, 74.8278,  
63.4523

■ 80.4182, 83.4914,  
64.7007

■ 83.6599, 89.9747,  
65.7813

# Harmonies

## Analogous

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



22.0260, 26.8613, 52.5107



25.6448, 26.8613, 56.6564



29.6061, 26.8613, 52.0308

# Triad

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



25.6448, 26.8613, 56.6564



32.5810, 26.8613, 19.4924



19.4838, 26.8613, 19.9262

# Complementary

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



25.6448, 26.8613, 56.6564



37.3634, 36.6275, 17.9336

# 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.



21.8479, 26.8613, 14.3278



25.6448, 26.8613, 56.6564



29.3891, 26.8613, 14.1263

# Square

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



25.6448, 26.8613, 56.6564



33.8550, 26.8613, 28.9228



25.4173, 26.8613, 12.5082



18.6970, 26.8613, 29.5744



# Rectangle

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



25.6448, 26.8613, 56.6564



31.8509, 26.8613, 45.1410



25.4173, 26.8613, 12.5082



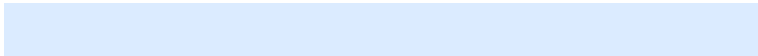
20.1076, 26.8613, 17.6055

# Sweetspot

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



25.6457, 26.8623, 56.6570



77.0252, 81.6696, 106.3119



31.4518, 45.1732, 37.9410



15.9491, 16.9240, 22.6760



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

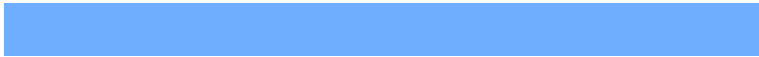


# Same Dimension

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



25.6457, 26.8623, 56.6570



39.3895, 40.4177, 100.3331



21.0772, 16.9022, 54.9753



10.4309, 11.0359, 13.4979



8.8937, 7.1812, 35.6617



0.4929, 0.4836, 1.7125



# Inverse Universe

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



32.9110, 23.5854, 29.2043



54.3256, 35.3554, 43.5200



44.2293, 52.1580, 20.5694



10.8228, 10.7125, 12.0500



16.2884, 8.2649, 6.7288



0.8075, 0.4058, 0.5094



# Previews

## White Background



This preview shows how the XYZ color 25.6448, 26.8613, 56.6564 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

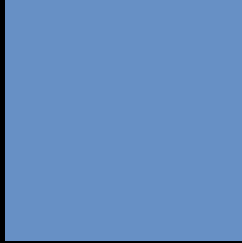
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 25.6448, 26.8613, 56.6564 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

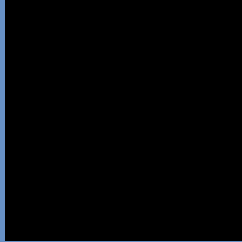
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

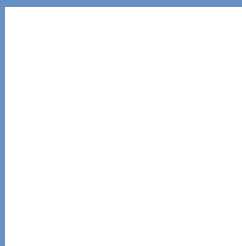
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 25.6448, 26.8613, 56.6564

## Background



This preview shows how black text looks on a background with the XYZ color 25.6448, 26.8613, 56.6564.



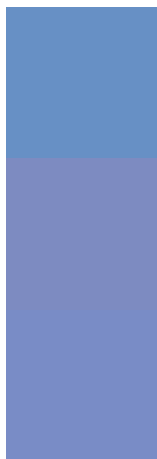
This preview shows how white text looks on a background with the XYZ color 25.6448, 26.8613,



# 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

25.6448, 26.8613, 56.6564

### Protanopia

27.3157, 26.6755, 54.1613

### Deuteranopia

27.4563, 26.8983, 57.1709



## Tritanopia

21.9308, 26.7323, 38.6543

# Trichromacy



## Original Color

25.6448, 26.8613, 56.6564

## Protanomaly

26.5986, 26.7267, 54.7958

## Deuteranomaly

26.6573, 26.7044, 57.1755

## Tritanomaly

23.1516, 26.7618, 44.5028

# Monochromacy



## Original Color

25.6448, 26.8613, 56.6564

## Achromatopsia

24.1572, 25.4152, 27.6772

## Achromatomaly

24.0935, 25.6193, 36.4761

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.6448, 26.8613, 56.6564 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, 144, 197)` looks like.

```
.text, #text, p{  
    color:rgb(103, 144, 197)  
}
```

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, 144, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 144, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 25.6448, 26.8613, 56.6564 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, 144, 197) }
```



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

```
.border{ border-color:rgb(103, 144, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 144, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 144, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 144, 197); box-shadow:4px 4px 4px 4px rgb(103, 144, 197) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.6448, 26.8613, 56.6564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 144, 197) }
```

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

```
.background{ background-color: rgb(103,  
144, 197) }
```

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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