

# Converting Colors

XYZ(25.7818, 23.2666, 51.8696)

Have a look what the booklet for  
XYZ(25.7818, 23.2666, 51.8696)  
contains.

<b>XYZ(25.8084, 23.3065, 51.8536)</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(25.8084, 23.3065,  
51.8536)**

# Conversions

## Conversions Part 1

Format	Color
Hex	817EBE
RGB	129, 126, 190
RGB Percent	51%, 49%, 75%
CMY	0.4941, 0.5059, 0.2549
CMYK	0.32, 0.34, 0.00, 0.25
HSL	243°, 33%, 62%
HSV	243°, 34%, 75%
XYZ	25.8084, 23.3065, 51.8536
YIQ	134.1930, -18.7560, 20.5400

# Conversions

## Conversions Part 2

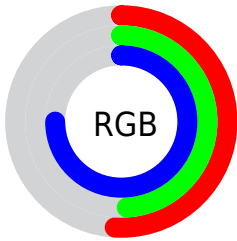
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 126, 190
Decimal	8486590
CIE <sub>Lab</sub>	55.39, 16.07, -33.10
CIE <sub>LCh</sub>	55, 36.800, 295.901
Yxy	23.3065, 0.2556, 0.2308
Android (android.graphics.Color)	4286676670 (0xFF817EBE)
YUV	134.1930, 27.5129, -4.5543
Hunter-Lab	48.2768, 10.9403, -29.8890

# Details

The XYZ color **25.8084, 23.3065, 51.8536** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **42.6732, 48.8985, 26.9287**, and the grayscale version is **22.6385, 23.8175, 25.9372**.

A 20% lighter version of the original color is **52.4370, 49.0229, 94.6943**, and **10.1584, 8.6631, 24.4293** is the 20% darker color. If you saturate the color by 10%, you get **21.0945, 17.6062, 51.0022**, and if you desaturate by 10%, it is **31.4729, 30.1827, 52.8827**.

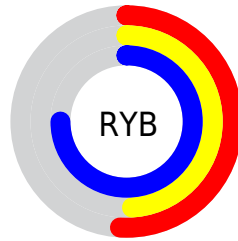
# Distribution



Red (51%)

Green (49%)

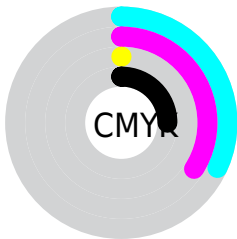
Blue (75%)



Red (51%)

Yellow (49%)

Blue (75%)

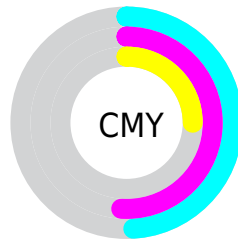


Cyan (32%)

Magenta (34%)

Yellow (0%)

Black (25%)



Cyan (49%)

Magenta (51%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8084, 23.3065, 51.8536 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 25.8084, 23.3065, 51.8536 by changing the saturation by 10% instead.



■ 25.8084, 23.3065,  
51.8536

■ 25.8084, 23.3065,  
51.8536

274.1142,  
269.2954, 410.8120

■ 16.8123, 14.8200,  
36.5070

■ 52.3992, 48.8961,  
94.3397

■ 10.1952, 8.6931,  
24.5332

■ 70.7246, 66.7680,  
122.3162

■ 5.5918, 4.5416,  
15.5138

■ 92.8904, 88.5371,  
155.3397

■ 2.6368, 1.9809,  
9.0301

119.2621,  
114.5879, 193.8289

■ 0.9647, 0.5963,  
4.6638

150.2050,  
145.3047, 238.2021

■ 0.0000, 0.0000,  
1.9961

186.0844,

■ 0.0000, 0.0000,

181.0720, 288.8780

0.5529

227.2657,  
222.2741, 346.2752

■ 0.0000, 0.0000,  
0.0000

■ 25.8084, 23.3065,  
51.8536

■ 25.8084, 23.3065,  
51.8536

■ 21.0945, 17.6062,  
51.0022

■ 31.4729, 30.1827,  
52.8827

■ 17.2767, 13.0135,  
50.3169

■ 38.1334, 38.2926,  
54.0970

■ 14.2989, 9.4570,  
49.7874

■ 45.8355, 47.6936,  
55.5057

■ 12.0978, 6.8563,  
49.4014

■ 54.6213, 58.4386,  
57.1166

■ 10.6007, 5.1186,  
49.1449

■ 64.5304, 70.5774,  
58.9374

■ 9.7215, 4.1331,  
49.0011

■ 75.6005, 84.1576,  
60.9751

■ 9.4059, 3.7752,  
48.9486

■ 86.2944, 96.4977,  
62.7934

# Harmonies

## Analogous

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



21.5888, 23.3065, 55.5249



25.8084, 23.3065, 51.8536



29.4068, 23.3065, 40.3967

# Triad

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



25.8084, 23.3065, 51.8536



26.9134, 23.3065, 10.8096



15.1326, 23.3065, 23.7841

# Complementary

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



25.8084, 23.3065, 51.8536



42.6732, 48.8985, 26.9287

# 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.



16.2010, 23.3065, 14.6351



25.8084, 23.3065, 51.8536



22.7252, 23.3065, 8.7706

# Square

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



25.8084, 23.3065, 51.8536



30.0985, 23.3065, 16.6760



18.8586, 23.3065, 9.9143



15.7441, 23.3065, 36.6747



# Rectangle

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



25.8084, 23.3065, 51.8536



30.7893, 23.3065, 31.3355



18.8586, 23.3065, 9.9143



15.3032, 23.3065, 20.2259

# Sweetspot

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



25.8092, 23.3074, 51.8541



73.7982, 75.1182, 98.8888



35.8538, 44.0634, 55.3311



15.7824, 15.9792, 21.6378



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.



25.8092, 23.3074, 51.8541



40.6431, 34.8228, 92.8585



31.2797, 26.1275, 52.1102



9.0568, 9.2461, 11.9795



6.2730, 2.5199, 32.5487



0.2600, 0.1061, 1.2756



# Inverse Universe

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



37.6662, 29.4574, 50.7143



65.2697, 47.6001, 90.3129



35.8645, 45.3885, 26.6100



9.9101, 9.6883, 11.9157



19.6807, 9.5035, 29.9421



0.7769, 0.3747, 1.2045



# Previews

## White Background



This preview shows how the XYZ color 25.8084, 23.3065, 51.8536 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

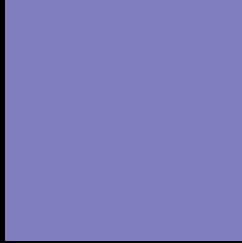
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 25.8084, 23.3065, 51.8536 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 25.8084, 23.3065, 51.8536**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.8084, 23.3065, 51.8536.



This preview shows how white text looks on a background with the XYZ color 25.8084, 23.3065,



# 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

25.8084, 23.3065, 51.8536

### Protanopia

24.4023, 23.3050, 54.2511

### Deuteranopia

23.8572, 23.2862, 51.3814



## Tritanopia

21.5980, 23.3963, 30.5717

# Trichromacy



## Original Color

25.8084, 23.3065, 51.8536

## Protanomaly

24.9471, 23.4023, 53.6543

## Deuteranomaly

24.5068, 23.2262, 51.3356

## Tritanomaly

22.9412, 23.3221, 37.4749

# Monochromacy



## Original Color

25.8084, 23.3065, 51.8536

## Achromatopsia

22.6597, 23.8398, 25.9615

## Achromatomaly

23.4648, 23.4712, 33.8655

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.8084, 23.3065, 51.8536 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(129, 126, 190)` looks like.

```
.text, #text, p{  
    color:rgb(129, 126, 190)  
}
```

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(129, 126, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 126, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 25.8084, 23.3065, 51.8536 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(129, 126, 190) }
```



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

```
.border{ border-color:rgb(129, 126, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 126, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 126, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 126, 190);  
box-shadow:4px 4px 4px 4px rgb(129, 126,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.8084, 23.3065, 51.8536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 126, 190) }
```

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

```
.background{ background-color: rgb(129,  
126, 190) }
```

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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