

# Converting Colors

XYZ(28.2114, 25.9314, 63.8128)

Have a look what the booklet for  
XYZ(28.2114, 25.9314, 63.8128)  
contains.

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# Color

**XYZ(28.2021, 25.8646,  
63.8276)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7B86D1
RGB	123, 134, 209
RGB Percent	48%, 53%, 82%
CMY	0.5176, 0.4745, 0.1804
CMYK	0.41, 0.36, 0.00, 0.18
HSL	232°, 48%, 65%
HSV	232°, 41%, 82%
XYZ	28.2021, 25.8646, 63.8276
YIQ	139.2610, -30.6310, 20.9930

# Conversions

## Conversions Part 2

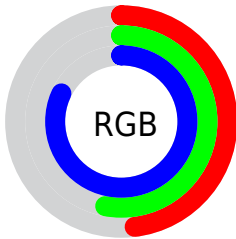
Format	Color
R <sub>Y</sub> B	123, 133, 209
Decimal	8095441
CIE Lab	57.91, 14.92, -39.96
CIE LCh	58, 42.651, 290.478
Yxy	25.8646, 0.2392, 0.2194
Android (android.graphics.Color)	4286285521 (0xFF7B86D1)
YUV	139.2610, 34.3813, -14.2609
Hunter-Lab	50.8573, 9.9842, -38.8109

# Details

The XYZ color **28.2021, 25.8646, 63.8276** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.0647, 55.3748, 26.7898**, and the grayscale version is **24.5220, 25.7991, 28.0952**.

A 20% lighter version of the original color is **54.1804, 52.2256, 101.8327**, and **11.5355, 10.0953, 31.9125** is the 20% darker color. If you saturate the color by 10%, you get **23.2195, 19.8734, 62.9343**, and if you desaturate by 10%, it is **34.2590, 33.0551, 64.8968**.

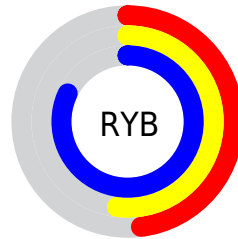
# Distribution



Red (48%)

Green (53%)

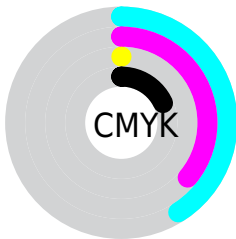
Blue (82%)



Red (48%)

Yellow (52%)

Blue (82%)

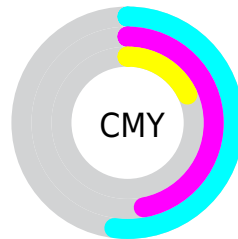


Cyan (41%)

Magenta (36%)

Yellow (0%)

Black (18%)



Cyan (52%)

Magenta (47%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2021, 25.8646, 63.8276 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 28.2021, 25.8646, 63.8276 by changing the saturation by 10% instead.



■ 28.2021, 25.8646,  
63.8276

■ 28.2021, 25.8646,  
63.8276

285.4940,  
282.1168, 456.7572

■ 18.6193, 16.7224,  
46.0658

■ 56.2133, 53.0564,  
111.9597

■ 11.4979, 10.0367,  
31.9487

■ 75.3725, 71.8748,  
143.1670

■ 6.4725, 5.4233,  
21.0578

■ 98.4544, 94.6874,  
179.6933

■ 3.1778, 2.4977,  
12.9746

125.8246,  
121.8786, 221.9570

■ 1.2485, 0.8755,  
7.2805

157.8482,  
153.8327, 270.3767

■ 0.1442, 0.0000,  
3.5571

194.8908,

■ 0.0000, 0.0000,

190.9341, 325.3709

1.3856

237.3176,  
233.5674, 387.3582

■ 0.0000, 0.0000,  
0.1305

■ 0.0000, 0.0000,  
0.0000

■ 28.2021, 25.8646,  
63.8276

■ 28.2021, 25.8646,  
63.8276

■ 23.2195, 19.8734,  
62.9343

■ 34.2590, 33.0551,  
64.8968

■ 19.2451, 15.0129,  
62.2056

■ 41.4455, 41.5027,  
66.1485

■ 16.2098, 11.2120,  
61.6319

■ 49.8162, 51.2647,  
67.5916

■ 14.0346, 8.3903,  
61.2019

■ 59.4215, 62.3943,  
69.2336

■ 12.6267, 6.4551,  
60.9026

■ 70.3090, 74.9414,  
71.0816

■ 11.8945, 5.3750,  
60.7327

■ 82.5235, 88.9536,  
73.1424

■ 88.5087, 97.3835,  
74.4541

# Harmonies

## Analogous

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



22.9860, 25.8646, 66.2689



28.2021, 25.8646, 63.8276



33.0136, 25.8646, 50.2628

# Triad

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



28.2021, 25.8646, 63.8276



31.4176, 25.8646, 11.4963



16.0749, 25.8646, 23.7383

# Complementary

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



28.2021, 25.8646, 63.8276



50.0647, 55.3748, 26.7898

# 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.



17.7266, 25.8646, 13.7275



28.2021, 25.8646, 63.8276



26.2534, 25.8646, 8.4667

# Square

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



28.2021, 25.8646, 63.8276



35.0420, 25.8646, 19.3826



21.2885, 25.8646, 9.1093



16.4453, 25.8646, 39.2585



# Rectangle

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



28.2021, 25.8646, 63.8276



35.1134, 25.8646, 38.7083



21.2885, 25.8646, 9.1093



16.4023, 25.8646, 19.7299

# Sweetspot

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



28.2031, 25.8655, 63.8282



76.7443, 78.7908, 105.7710



41.1090, 53.8683, 61.3760



16.0372, 16.4115, 22.5724



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.



28.2031, 25.8655, 63.8282



37.5472, 32.5369, 98.9090



32.0208, 25.6931, 63.5937



11.2838, 11.6579, 14.8991



7.3738, 3.3942, 37.4590



0.4534, 0.2720, 2.1082



# Inverse Universe

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



37.6814, 29.4436, 26.2522



54.4200, 39.3148, 31.9268



44.6144, 56.4337, 27.2815



11.8694, 11.8325, 12.5881



16.3527, 8.4139, 1.4974

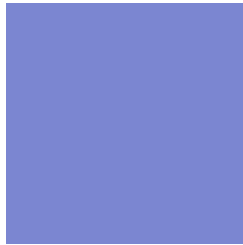


0.9351, 0.4788, 0.1930



# Previews

## White Background



This preview shows how the XYZ color 28.2021, 25.8646, 63.8276 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

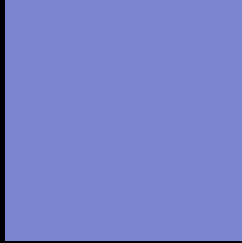
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 28.2021, 25.8646, 63.8276 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

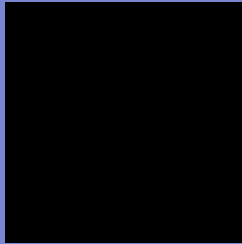
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 28.2021, 25.8646, 63.8276**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.2021, 25.8646, 63.8276.



This preview shows how white text looks on a background with the XYZ color 28.2021, 25.8646,



# 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

28.2021, 25.8646, 63.8276

### Protanopia

27.3721, 25.8222, 65.1695

### Deuteranopia

26.5370, 25.8568, 63.2667



## Tritanopia

22.5566, 25.9661, 35.2756

# Trichromacy



## Original Color

28.2021, 25.8646, 63.8276

## Protanomaly

27.6329, 25.7630, 64.4891

## Deuteranomaly

27.1409, 25.9561, 63.2541

## Tritanomaly

24.3330, 25.7897, 44.2529

# Monochromacy



## Original Color

28.2021, 25.8646, 63.8276

## Achromatopsia

24.5403, 25.8183, 28.1161

## Achromatomaly

25.3194, 25.5582, 38.7207

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.2021, 25.8646, 63.8276 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(123, 134, 209)` looks like.

```
.text, #text, p{  
    color:rgb(123, 134, 209)  
}
```

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(123, 134, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 134, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 28.2021, 25.8646, 63.8276 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(123, 134, 209) }
```



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

```
.border{ border-color:rgb(123, 134, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 134, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 134, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 134, 209);  
box-shadow:4px 4px 4px 4px rgb(123, 134,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.2021, 25.8646, 63.8276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 134, 209) }
```

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

```
.background{ background-color: rgb(123,  
134, 209) }
```

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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