

# Converting Colors

XYZ(26.1825, 25.5415, 71.7770)

Have a look what the booklet for  
XYZ(26.1825, 25.5415, 71.7770)  
contains.

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# Color

**XYZ(26.1641, 25.4721,  
71.9442)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	588ADD
RGB	88, 138, 221
RGB Percent	35%, 54%, 87%
CMY	0.6549, 0.4588, 0.1333
CMYK	0.60, 0.38, 0.00, 0.13
HSL	217°, 66%, 61%
HSV	217°, 60%, 87%
XYZ	26.1641, 25.4721, 71.9442
YIQ	132.5120, -56.4430, 15.2130

# Conversions

## Conversions Part 2

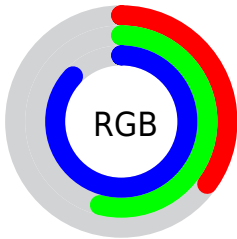
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	88, 124, 221
Decimal	5802717
CIE <sub>Lab</sub>	57.53, 8.31, -47.42
CIE <sub>LCh</sub>	58, 48.139, 279.935
Yxy	25.4721, 0.2117, 0.2061
Android (android.graphics.Color)	4283992797 (0xFF588ADD)
YUV	132.5120, 43.6246, -39.0370
Hunter-Lab	50.4699, 4.2139, -49.1882

# Details

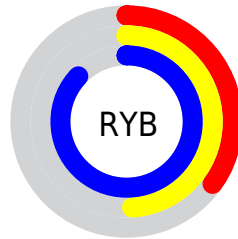
The XYZ color **26.1641, 25.4721, 71.9442** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **46.1448, 45.2050, 15.5273**, and the grayscale version is **21.9798, 23.1245, 25.1826**.

A 20% lighter version of the original color is **48.8935, 50.7775, 101.8318**, and **10.3764, 9.8678, 36.9551** is the 20% darker color. If you saturate the color by 10%, you get **22.5256, 20.8433, 71.2431**, and if you desaturate by 10%, it is **30.6898, 30.9320, 72.7601**.

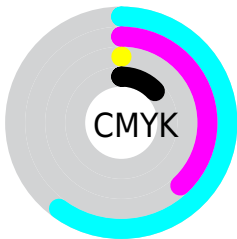
# Distribution



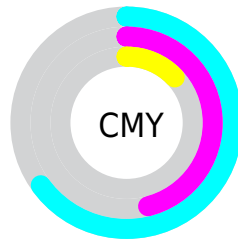
- Red (35%)
- Green (54%)
- Blue (87%)



- Red (35%)
- Yellow (49%)
- Blue (87%)



- Cyan (60%)
- Magenta (38%)
- Yellow (0%)
- Black (13%)



- Cyan (65%)
- Magenta (46%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.1641, 25.4721, 71.9442 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 26.1641, 25.4721, 71.9442 by changing the saturation by 10% instead.



■ 26.1641, 25.4721,  
71.9442

■ 26.1641, 25.4721,  
71.9442

275.8287,  
280.1809, 486.3197

■ 17.0798, 16.4291,  
52.6265

■ 52.9690, 52.4221,  
123.6842

■ 10.3870, 9.8283,  
37.1190

■ 71.4202, 71.0979,  
156.9436

■ 5.7205, 5.2853,  
25.0032

■ 93.7245, 93.7534,  
195.6873

■ 2.7149, 2.4156,  
15.8604

■ 120.2472,  
120.7731, 240.3339

■ 1.0049, 0.8339,  
9.2721

151.3536,  
152.5413, 291.3019

■ 0.0000, 0.0000,  
4.8199

187.4090,

■ 0.0000, 0.0000,

189.4424, 349.0098

2.0851

228.7789,  
231.8608, 413.8762

■ 0.0000, 0.0000,  
0.6069

■ 0.0000, 0.0000,  
0.0000

■ 26.1641, 25.4721,  
71.9442

■ 26.1641, 25.4721,  
71.9442

■ 22.5256, 20.8433,  
71.2431

■ 30.6898, 30.9320,  
72.7601

■ 19.7027, 16.9938,  
70.6488

■ 36.1605, 37.2649,  
73.6941

■ 17.6158, 13.8680,  
70.1555

■ 42.6322, 44.5128,  
74.7520

■ 16.1505, 11.4190,  
69.7600

■ 50.1556, 52.7135,  
75.9384

■ 58.7777, 61.9030,  
77.2577

■ 68.5424, 72.1148,  
78.7141

■ 79.4914, 83.3810,  
80.3116

■ 87.9632, 93.8244,  
81.8809

■ 90.0512, 98.0005,  
82.5769

# Harmonies

## Analogous

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



20.6196, 25.4721, 69.2529



26.1641, 25.4721, 71.9442



32.0046, 25.4721, 59.6969

# Triad

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



26.1641, 25.4721, 71.9442



33.6923, 25.4721, 11.9960



15.2566, 25.4721, 18.2465

# Complementary

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



26.1641, 25.4721, 71.9442



46.1448, 45.2050, 15.5273

# 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.



17.7971, 25.4721, 9.8786



26.1641, 25.4721, 71.9442



28.1958, 25.4721, 7.3849

# Square

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



26.1641, 25.4721, 71.9442



36.7831, 25.4721, 22.6331



22.3566, 25.4721, 6.8034



14.8890, 25.4721, 33.5507



# Rectangle

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



26.1641, 25.4721, 71.9442



35.0677, 25.4721, 46.7639



22.3566, 25.4721, 6.8034



15.8632, 25.4721, 14.7272

# Sweetspot

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



26.1651, 25.4730, 71.9448



71.6657, 75.3757, 105.3795



37.1394, 56.6914, 47.0251



14.6337, 15.3741, 22.4462



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.



26.1651, 25.4730, 71.9448



30.1173, 27.4535, 98.3194



22.1952, 15.1156, 70.1549



12.7378, 13.4153, 16.5702



9.4825, 6.8344, 40.5578



0.6956, 0.6053, 2.6546



# Inverse Universe

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



37.8969, 24.1879, 26.7167



48.2833, 27.7233, 27.7794



52.9292, 65.4662, 19.0806



13.2575, 13.1321, 14.6172



18.2817, 9.3137, 5.8632



1.2254, 0.6198, 0.5959



# Previews

## White Background



This preview shows how the XYZ color 26.1641, 25.4721, 71.9442 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 26.1641, 25.4721, 71.9442 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 26.1641, 25.4721, 71.9442**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.1641, 25.4721, 71.9442.



This preview shows how white text looks on a background with the XYZ color 26.1641, 25.4721,



# 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

26.1641, 25.4721, 71.9442

### Protanopia

27.2627, 25.4541, 69.8059

### Deuteranopia

26.2594, 25.5213, 71.9487



## Tritanopia

19.3524, 25.4134, 38.0677

# Trichromacy



## Original Color

26.1641, 25.4721, 71.9442

## Protanomaly

26.7359, 25.3754, 70.5066

## Deuteranomaly

26.2594, 25.5213, 71.9487

## Tritanomaly

21.4247, 25.3163, 48.5571

# Monochromacy



## Original Color

26.1641, 25.4721, 71.9442

## Achromatopsia

22.2940, 23.4551, 25.5426

## Achromatomaly

22.7916, 23.8265, 38.9950

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.1641, 25.4721, 71.9442 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(88, 138, 221)` looks like.

```
.text, #text, p{  
    color:rgb(88, 138, 221)  
}
```

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(88, 138, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 138, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 26.1641, 25.4721, 71.9442 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(88, 138, 221) }
```



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

```
.border{ border-color:rgb(88, 138, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 138, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 138, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 138, 221);  
box-shadow:4px 4px 4px 4px rgb(88, 138,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.1641, 25.4721, 71.9442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 138, 221) }
```

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

```
.background{ background-color: rgb(88, 138,  
221) }
```

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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