

# Converting Colors

XYZ(27.0661, 24.9227, 84.1071)

Have a look what the booklet for  
XYZ(27.0661, 24.9227, 84.1071)  
contains.

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# Color

**XYZ(27.0183, 24.8010,  
84.2520)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4D86EE
RGB	77, 134, 238
RGB Percent	30%, 53%, 93%
CMY	0.6980, 0.4745, 0.0667
CMYK	0.68, 0.44, 0.00, 0.07
HSL	219°, 83%, 62%
HSV	219°, 68%, 93%
XYZ	27.0183, 24.8010, 84.2520
YIQ	128.8130, -67.3560, 20.2600

# Conversions

## Conversions Part 2

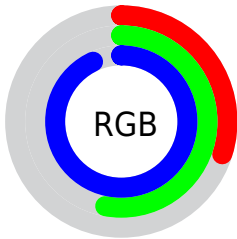
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	77, 119, 238
Decimal	5080814
CIE <sub>Lab</sub>	56.88, 14.62, -57.96
CIE <sub>LCh</sub>	57, 59.771, 284.154
Yxy	24.8010, 0.1986, 0.1823
Android (android.graphics.Color)	4283270894 (0xFF4D86EE)
YUV	128.8130, 53.8292, -45.4400
Hunter-Lab	49.8006, 9.6905, -65.4456

# Details

The XYZ color **27.0183, 24.8010, 84.2520** 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 **53.1260, 51.7651, 14.2147**, and the grayscale version is **20.6369, 21.7116, 23.6440**.

A 20% lighter version of the original color is **46.8048, 48.4234, 101.4875**, and **11.5890, 9.8332, 45.0033** is the 20% darker color. If you saturate the color by 10%, you get **23.4644, 20.0405, 83.5210**, and if you desaturate by 10%, it is **31.5853, 30.5429, 85.1201**.

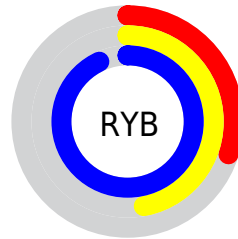
# Distribution



Red (30%)

Green (53%)

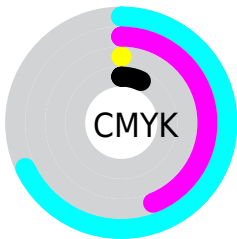
Blue (93%)



Red (30%)

Yellow (47%)

Blue (93%)

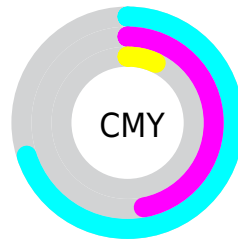


Cyan (68%)

Magenta (44%)

Yellow (0%)

Black (7%)



Cyan (70%)

Magenta (47%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0183, 24.8010, 84.2520 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 27.0183, 24.8010, 84.2520 by changing the saturation by 10% instead.



■ 27.0183, 24.8010,  
84.2520

■ 27.0183, 24.8010,  
84.2520

279.9116,  
276.8455, 529.2296

■ 17.7236, 15.9289,  
62.6769

■ 54.3329, 51.3342,  
141.1925

■ 10.8502, 9.4738,  
45.1406

■ 73.0836, 69.7641,  
177.3950

■ 6.0328, 5.0515,  
31.2244

■ 95.7169, 92.1486,  
219.3104

■ 2.9059, 2.2775,  
20.5099

■ 122.5983,  
118.8722, 267.3572

■ 1.1042, 0.7618,  
12.5785

154.0931,  
150.3193, 321.9540

■ 0.0286, 0.0000,  
7.0116

190.5667,

■ 0.0000, 0.0000,

186.8743, 383.5193

3.3908

232.3844,  
228.9215, 452.4717

■ 0.0000, 0.0000,  
1.2975

■ 0.0000, 0.0000,  
0.0597

■ 27.0183, 24.8010,  
84.2520

■ 27.0183, 24.8010,  
84.2520

■ 23.4644, 20.0405,  
83.5210

■ 31.5853, 30.5429,  
85.1201

■ 20.8264, 16.1909,  
82.9170

■ 37.2436, 37.3242,  
86.1308

■ 18.9825, 13.1685,  
82.4308

■ 44.0665, 45.2005,  
87.2915

■ 18.6227, 12.5530,  
82.3310

■ 52.1196, 54.2224,  
88.6085

■ 61.4637, 64.4368,  
90.0876

■ 72.1550, 75.8880,  
91.7344

■ 84.2466, 88.6178,  
93.5542

■ 92.4327, 98.9531,  
95.1176

# Harmonies

## Analogous

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



20.0862, 24.8010, 83.6249



27.0183, 24.8010, 84.2520



34.2425, 24.8010, 65.1602

# Triad

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



27.0183, 24.8010, 84.2520



34.6041, 24.8010, 8.0730



12.8533, 24.8010, 17.7896

# Complementary

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



27.0183, 24.8010, 84.2520



53.1260, 51.7651, 14.2147

# 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.



15.3872, 24.8010, 7.7187



27.0183, 24.8010, 84.2520



27.4407, 24.8010, 4.3094

# Square

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



27.0183, 24.8010, 84.2520



39.1743, 24.8010, 18.6346



20.4331, 24.8010, 4.2233



12.7849, 24.8010, 37.5656



# Rectangle

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



27.0183, 24.8010, 84.2520



37.8738, 24.8010, 47.5277



20.4331, 24.8010, 4.2233



13.4185, 24.8010, 13.4477

# Sweetspot

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



27.0194, 24.8018, 84.2527



69.0875, 72.3286, 104.9273



41.7699, 65.9812, 53.1665



14.1169, 14.7500, 22.3529



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.



27.0194, 24.8018, 84.2527



26.1970, 21.6728, 97.4103



23.1758, 14.1055, 82.3906



15.3551, 16.1442, 20.0285



10.4998, 7.2239, 45.9688



0.9639, 0.7819, 3.8543



# Inverse Universe

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



42.2179, 25.2077, 25.1951



45.8016, 24.8054, 20.6465



60.3920, 76.3661, 18.5802



16.0039, 15.8513, 17.5768



20.6254, 10.5226, 5.9442



1.7615, 0.8936, 0.7349



# Previews

## White Background



This preview shows how the XYZ color 27.0183, 24.8010, 84.2520 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

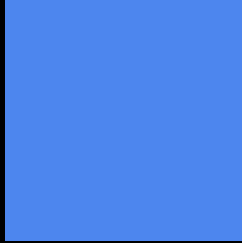
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.0183, 24.8010, 84.2520 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

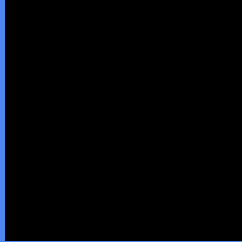
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

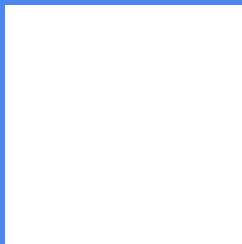
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 27.0183, 24.8010, 84.2520

## Background



This preview shows how black text looks on a background with the XYZ color 27.0183, 24.8010, 84.2520.



This preview shows how white text looks on a background with the XYZ color 27.0183, 24.8010,



# 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

27.0183, 24.8010, 84.2520

### Protanopia

27.5114, 24.6825, 82.6711

### Deuteranopia

25.5970, 24.7096, 83.5411



## Tritanopia

17.8155, 24.8487, 38.5076

# Trichromacy



## Original Color

27.0183, 24.8010, 84.2520

## Protanomaly

27.4199, 24.8208, 83.4665

## Deuteranomaly

25.9537, 24.6834, 83.5172

## Tritanomaly

20.1128, 24.3258, 52.3505

# Monochromacy



## Original Color

27.0183, 24.8010, 84.2520

## Achromatopsia

20.8660, 21.9526, 23.9064

## Achromatomaly

21.7081, 22.4122, 40.7180

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.0183, 24.8010, 84.2520 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(77, 134, 238)` looks like.

```
.text, #text, p{  
    color:rgb(77, 134, 238)  
}
```

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(77, 134, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 134, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 27.0183, 24.8010, 84.2520 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(77, 134, 238) }
```



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

```
.border{ border-color:rgb(77, 134, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 134, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 134, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 134, 238);  
box-shadow:4px 4px 4px 4px rgb(77, 134,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.0183, 24.8010, 84.2520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 134, 238) }
```

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

```
.background{ background-color: rgb(77, 134,  
238) }
```

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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