

Converting Colors

XYZ(24.8358, 20.6729, 85.8621)

Have a look what the booklet for
XYZ(24.8358, 20.6729, 85.8621)
contains.

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Color

**XYZ(24.8099, 20.5729,
85.8824)**

Conversions

Conversions Part 1

Format	Color
Hex	4576F1
RGB	69, 118, 241
RGB Percent	27%, 46%, 95%
CMY	0.7294, 0.5373, 0.0549
CMYK	0.71, 0.51, 0.00, 0.05
HSL	223°, 86%, 61%
HSV	223°, 71%, 95%
XYZ	24.8099, 20.5729, 85.8824
YIQ	117.3710, -68.6870, 27.8650

Conversions

Conversions Part 2

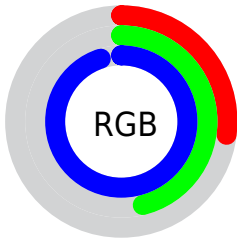
Format	Color
R _{YB}	69, 107, 241
Decimal	4552433
CIE Lab	52.48, 24.38, -66.72
CIE LCh	52, 71.037, 290.070
Yxy	20.5729, 0.1890, 0.1567
Android (android.graphics.Color)	4282742513 (0xFF4576F1)
YUV	117.3710, 60.9491, -42.4214
Hunter-Lab	45.3574, 18.2619, -80.5132

Details

The XYZ color **24.8099, 20.5729, 85.8824** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **56.2030, 56.8359, 13.6405**, and the grayscale version is **16.8569, 17.7348, 19.3132**.

A 20% lighter version of the original color is **42.7413, 41.2878, 100.3244**, and **10.9050, 7.9672, 46.3105** is the 20% darker color. If you saturate the color by 10%, you get **21.5865, 16.1685, 85.2027**, and if you desaturate by 10%, it is **29.0998, 26.0778, 86.7193**.

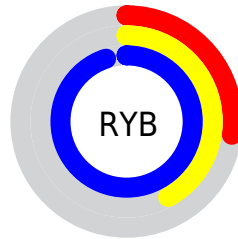
Distribution



Red (27%)

Green (46%)

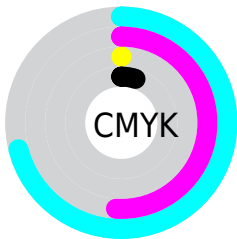
Blue (95%)



Red (27%)

Yellow (42%)

Blue (95%)

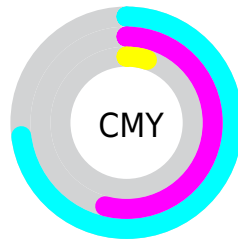


Cyan (71%)

Magenta (51%)

Yellow (0%)

Black (5%)



Cyan (73%)

Magenta (54%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8099, 20.5729, 85.8824 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 24.8099, 20.5729, 85.8824 by changing the saturation by 10% instead.

■ 24.8099, 20.5729,
85.8824

■ 24.8099, 20.5729,
85.8824

269.2550,
254.9999, 534.7639

■ 16.0635, 12.8122,
64.0164

■ 50.7938, 44.3756,
143.4905

■ 9.6602, 7.2993,
46.2177

■ 68.7619, 61.1864,
180.0696

■ 5.2348, 3.6500,
32.0677

■ 90.5347, 81.7827,
222.3902

■ 2.4218, 1.4798,
21.1480

■ 116.4774,
106.5488, 270.8708

■ 0.8560, 0.2744,
13.0399

146.9554,
135.8692, 325.9299

■ 0.0000, 0.0000,
7.3250

182.3341,

■ 0.0000, 0.0000,

170.1282, 387.9861

3.5847

222.9789,
209.7104, 457.4579

■ 0.0000, 0.0000,
1.4004

■ 0.0000, 0.0000,
0.1420

■ 24.8099, 20.5729,
85.8824

■ 24.8099, 20.5729,
85.8824

■ 21.5865, 16.1685,
85.2027

■ 29.0998, 26.0778,
86.7193

■ 19.3165, 12.7760,
84.6675

■ 34.5469, 32.7574,
87.7215

■ 17.9836, 10.5635,
84.3107

■ 41.2349, 40.6808,
88.8984

■ 49.2386, 49.9109,
90.2582

■ 58.6263, 60.5060,
91.8084

■ 69.4620, 72.5207,
93.5564

■ 81.8050, 86.0065,
95.5089

■ 92.8773, 99.1309,
97.4586

Harmonies

Analogous

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



17.2190, 20.5729, 90.4935



24.8099, 20.5729, 85.8824



32.5008, 20.5729, 59.6640

Triad

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



24.8099, 20.5729, 85.8824



30.0873, 20.5729, 3.5004



8.6837, 20.5729, 16.1265

Complementary

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



24.8099, 20.5729, 85.8824



56.2030, 56.8359, 13.6405

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.



10.6029, 20.5729, 5.1806



24.8099, 20.5729, 85.8824



22.0909, 20.5729, 1.5141

Square

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



24.8099, 20.5729, 85.8824



36.0379, 20.5729, 11.1928



15.0982, 20.5729, 1.8422



9.0651, 20.5729, 39.3377

Rectangle

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



24.8099, 20.5729, 85.8824



36.0557, 20.5729, 39.2024



15.0982, 20.5729, 1.8422



9.0580, 20.5729, 11.2515

Sweetspot

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



24.8109, 20.5735, 85.8830



66.9948, 69.1725, 104.4284



43.1399, 67.8683, 59.2007



13.6694, 14.0548, 22.2423



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.



24.8109, 20.5735, 85.8830



23.1501, 16.3556, 96.5445



23.6469, 13.5166, 84.5822



15.2639, 15.9619, 19.9981



9.8510, 5.9263, 45.7526



0.9012, 0.6565, 3.8334

Inverse Universe

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



41.6748, 24.2667, 19.6270



44.0742, 23.3886, 13.7872



58.1514, 76.5491, 17.3429



15.9579, 15.8329, 17.3345



20.2980, 10.3916, 4.2197



1.7299, 0.8810, 0.5683

Previews

White Background



This preview shows how the XYZ color 24.8099, 20.5729, 85.8824 looks on a white background.

Color Contrast Check

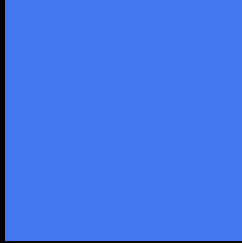
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8099, 20.5729, 85.8824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

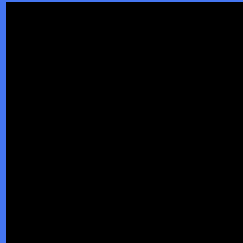
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.8099, 20.5729, 85.8824

Background



This preview shows how black text looks on a background with the XYZ color 24.8099, 20.5729, 85.8824.



This preview shows how white text looks on a background with the XYZ color 24.8099, 20.5729,

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

24.8099, 20.5729, 85.8824

Protanopia

24.1608, 20.5570, 87.4885

Deuteranopia

20.7742, 20.4527, 71.9601



Tritanopia

14.4338, 20.3151, 31.1774

Trichromacy



Original Color

24.8099, 20.5729, 85.8824

Protanomaly

24.2547, 20.4452, 86.6724

Deuteranomaly

21.7514, 20.2791, 76.8966

Tritanomaly

16.9607, 19.8167, 47.1870

Monochromacy



Original Color

24.8099, 20.5729, 85.8824

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.1384, 18.0405, 36.7086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8099, 20.5729, 85.8824 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(69, 118, 241)` looks like.

```
.text, #text, p{  
    color:rgb(69, 118, 241)  
}
```

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(69, 118, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 118, 241) }
```

Border

The CSS property to change the border of an element to XYZ 24.8099, 20.5729, 85.8824 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(69, 118, 241) }
```


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

```
.border{ border-color:rgb(69, 118, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 118, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 118, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 118, 241);  
box-shadow:4px 4px 4px 4px rgb(69, 118,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8099, 20.5729, 85.8824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 118, 241) }
```

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

```
.background{ background-color: rgb(69, 118,  
241) }
```

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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