

Converting Colors

XYZ(24.0670, 21.3039, 76.2424)

Have a look what the booklet for
XYZ(24.0670, 21.3039, 76.2424)
contains.

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Color

**XYZ(24.0670, 21.3039,
76.2424)**

Conversions

Conversions Part 1

Format	Color
Hex	4C7BE4
RGB	76, 123, 228
RGB Percent	30%, 48%, 89%
CMY	0.7019, 0.5176, 0.1059
CMYK	0.67, 0.46, 0.00, 0.11
HSL	221°, 74%, 60%
HSV	221°, 67%, 89%
XYZ	24.0670, 21.3039, 76.2424
YIQ	120.9170, -61.7170, 22.6910

Conversions

Conversions Part 2

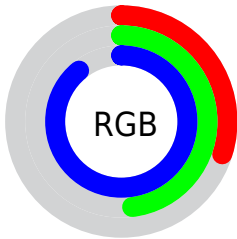
Format	Color
RYB	76, 112, 228
Decimal	5012452
CIELab	53.28, 17.70, -58.15
CIELCh	53, 60.785, 286.930
Yxy	21.3039, 0.1979, 0.1752
Android (android.graphics.Color)	4283202532 (0xFF4C7BE4)
YUV	120.9170, 52.7919, -39.3922
Hunter-Lab	46.1561, 12.3012, -65.6281

Details

The XYZ color **24.0670, 21.3039, 76.2424** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **49.8253, 50.0667, 13.8767**, and the grayscale version is **17.9976, 18.9349, 20.6201**.

A 20% lighter version of the original color is **44.0274, 43.3689, 100.6583**, and **9.9625, 8.0107, 40.0509** is the 20% darker color. If you saturate the color by 10%, you get **20.7667, 16.9317, 75.5729**, and if you desaturate by 10%, it is **28.3251, 26.6368, 77.0478**.

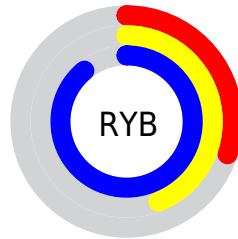
Distribution



Red (30%)

Green (48%)

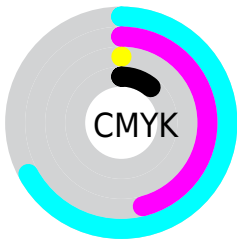
Blue (89%)



Red (30%)

Yellow (44%)

Blue (89%)

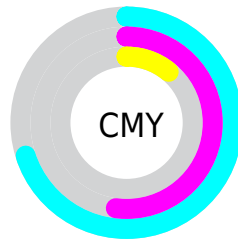


Cyan (67%)

Magenta (46%)

Yellow (0%)

Black (11%)



Cyan (70%)

Magenta (52%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0670, 21.3039, 76.2424 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 24.0670, 21.3039, 76.2424 by changing the saturation by 10% instead.

■ 24.0670, 21.3039,
76.2424

■ 24.0670, 21.3039,
76.2424

265.5932,
258.8892, 501.5460

■ 15.5083, 13.3463,
56.1234

■ 49.5934, 45.5928,
129.8327

■ 9.2655, 7.6675,
39.8972

■ 67.2918, 62.6928,
164.1412

■ 4.9733, 3.8829,
27.1453

■ 88.7676, 83.6092,
204.0165

■ 2.2662, 1.6083,
17.4489

■ 114.3860,
108.7263, 249.8774

■ 0.7773, 0.3632,
10.3898

144.5124,
138.4284, 302.1422

■ 0.0000, 0.0000,
5.5492

179.5121,

■ 0.0000, 0.0000,

173.1000, 361.2295

2.5086

219.7506,
213.1254, 427.5579

■ 0.0000, 0.0000,
0.8447

■ 0.0000, 0.0000,
0.0000

■ 24.0670, 21.3039,
76.2424

■ 24.0670, 21.3039,
76.2424

■ 20.7667, 16.9317,
75.5729

■ 28.3251, 26.6368,
77.0478

■ 18.3351, 13.4516,
75.0293

■ 33.6131, 32.9880,
77.9950

■ 16.6661, 10.7850,
74.6026

■ 39.9990, 40.4121,
79.0914

■ 16.2249, 10.0438,
74.4828

■ 47.5438, 48.9592,
80.3435

■ 56.3040, 58.6758,
81.7573

■ 66.3320, 69.6057,
83.3385

■ 77.6774, 81.7904,
85.0924

■ 89.1215, 94.6171,
86.9650

■ 91.0037, 98.3815,
87.5924

Harmonies

Analogous

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



17.5792, 21.3039, 77.6151



24.0670, 21.3039, 76.2424



30.6912, 21.3039, 56.7563

Triad

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



24.0670, 21.3039, 76.2424



29.9208, 21.3039, 5.7522



10.4345, 21.3039, 16.0743

Complementary

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



24.0670, 21.3039, 76.2424



49.8253, 50.0667, 13.8767

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.



12.4925, 21.3039, 6.4438



24.0670, 21.3039, 76.2424



23.1757, 21.3039, 2.9751

Square

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



24.0670, 21.3039, 76.2424



34.5307, 21.3039, 14.3369



16.8573, 21.3039, 3.1349



10.5736, 21.3039, 35.1118

Rectangle

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



24.0670, 21.3039, 76.2424



33.8881, 21.3039, 40.0240



16.8573, 21.3039, 3.1349



10.8701, 21.3039, 11.9029

Sweetspot

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



24.0679, 21.3045, 76.2430



68.4843, 71.1222, 104.7262



38.9497, 60.3140, 52.6993



13.9739, 14.4639, 22.3053



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.



24.0679, 21.3045, 76.2430



25.4408, 19.9749, 97.1224



22.2829, 13.7069, 74.8706



13.9445, 14.6104, 18.2295



9.4614, 5.9848, 43.0397



0.7794, 0.6028, 3.2072

Inverse Universe

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



38.1553, 23.0942, 21.1859



45.4653, 24.8442, 18.3406



52.9040, 68.3071, 17.2352



14.5596, 14.4410, 15.8811



19.1692, 9.8019, 4.5199



1.4570, 0.7405, 0.5473

Previews

White Background



This preview shows how the XYZ color 24.0670, 21.3039, 76.2424 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 24.0670, 21.3039, 76.2424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

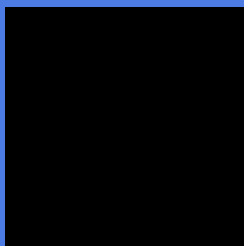
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

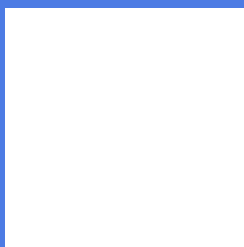
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.0670, 21.3039, 76.2424

Background



This preview shows how black text looks on a background with the XYZ color 24.0670, 21.3039, 76.2424.



This preview shows how white text looks on a background with the XYZ color 24.0670, 21.3039,

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

24.0670, 21.3039, 76.2424

Protanopia

24.0670, 21.3039, 76.2424

Deuteranopia

22.1414, 21.4662, 75.6495



Tritanopia

15.2593, 21.1333, 32.9807

Trichromacy



Original Color

24.0670, 21.3039, 76.2424

Protanomaly

24.0670, 21.3039, 76.2424

Deuteranomaly

22.4932, 21.2603, 75.5912

Tritanomaly

17.5626, 20.7576, 46.2610

Monochromacy



Original Color

24.0670, 21.3039, 76.2424

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.1304, 19.4604, 36.0057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0670, 21.3039, 76.2424 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(76, 123, 228)` looks like.

```
.text, #text, p{  
    color:rgb(76, 123, 228)  
}
```

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(76, 123, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 123, 228) }
```

Border

The CSS property to change the border of an element to XYZ 24.0670, 21.3039, 76.2424 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(76, 123, 228) }
```


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

```
.border{ border-color:rgb(76, 123, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 123, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 123, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 123, 228);  
box-shadow:4px 4px 4px 4px rgb(76, 123,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0670, 21.3039, 76.2424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 123, 228) }
```

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

```
.background{ background-color: rgb(76, 123,  
228) }
```

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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