

Converting Colors

XYZ(20.4776, 14.2420, 75.0685)

Have a look what the booklet for
XYZ(20.4776, 14.2420, 75.0685)
contains.

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Color

**XYZ(20.4776, 14.2420,
75.0685)**

Conversions

Conversions Part 1

Format	Color
Hex	4B59E4
RGB	75, 89, 228
RGB Percent	29%, 35%, 89%
CMY	0.7058, 0.6510, 0.1059
CMYK	0.67, 0.61, 0.00, 0.11
HSL	235°, 74%, 59%
HSV	235°, 67%, 89%
XYZ	20.4776, 14.2420, 75.0685
YIQ	100.6600, -52.9630, 40.2610

Conversions

Conversions Part 2

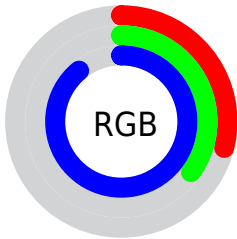
Format	Color
R _Y B	75, 88, 228
Decimal	4938212
CIE Lab	44.58, 38.63, -72.24
CIE LCh	45, 81.920, 298.137
Yxy	14.2420, 0.1865, 0.1297
Android (android.graphics.Color)	4283128292 (0xFF4B59E4)
YUV	100.6600, 62.7786, -22.5038
Hunter-Lab	37.7386, 30.8147, -91.5210

Details

The XYZ color **20.4776, 14.2420, 75.0685** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted blue. A complement of this color would be **57.3146, 65.1005, 16.2031**, and the grayscale version is **12.1365, 12.7686, 13.9050**.

A 20% lighter version of the original color is **38.0978, 31.2607, 98.6337**, and **8.2514, 4.7416, 39.0084** is the 20% darker color. If you saturate the color by 10%, you get **17.5150, 10.5058, 74.5039**, and if you desaturate by 10%, it is **24.5653, 19.2779, 75.8255**.

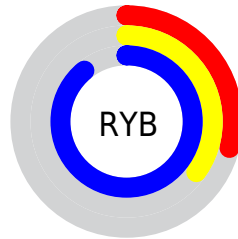
Distribution



Red (29%)

Green (35%)

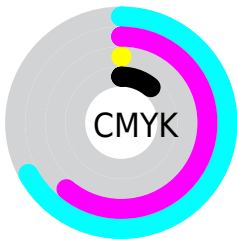
Blue (89%)



Red (29%)

Yellow (35%)

Blue (89%)

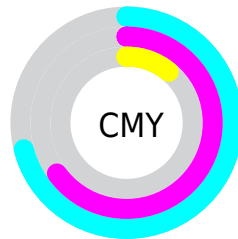


Cyan (67%)

Magenta (61%)

Yellow (0%)

Black (11%)



Cyan (71%)

Magenta (65%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4776, 14.2420, 75.0685 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 20.4776, 14.2420, 75.0685 by changing the saturation by 10% instead.

■ 20.4776, 14.2420,
75.0685

■ 20.4776, 14.2420,
75.0685

247.2736,
218.7312, 497.4147

■ 12.8530, 8.2892,
55.1669

■ 43.7143, 33.5178,
128.1573

■ 7.4037, 4.2805,
39.1359

■ 60.0572, 47.6096,
162.1816

■ 3.7644, 1.8317,
26.5568

■ 80.0367, 65.1831,
201.7507

■ 1.5697, 0.5068,
17.0112

■ 104.0184, 86.6228,
247.2829

■ 0.3725, 0.0000,
10.0804

■ 132.3676,
112.3131, 299.1968

■ 0.0000, 0.0000,
5.3460

165.4497,

■ 0.0000, 0.0000,

142.6383, 357.9111

2.3894

203.6299,
177.9829, 423.8442

■ 0.0000, 0.0000,
0.7807

■ 0.0000, 0.0000,
0.0000

■ 20.4776, 14.2420,
75.0685

■ 20.4776, 14.2420,
75.0685

■ 17.5150, 10.5058,
74.5039

■ 24.5653, 19.2779,
75.8255

■ 15.5614, 7.9475,
74.1130

■ 29.8741, 25.7181,
76.7887

■ 14.4750, 6.4213,
73.8757

■ 36.4923, 33.6576,
77.9724

■ 14.2691, 6.1323,
73.8308

■ 44.4994, 43.1828,
79.3889

■ 53.9684, 54.3738,
81.0499

■ 64.9674, 67.3048,
82.9662

■ 77.5601, 82.0459,
85.1478

■ 90.9145, 98.2032,
87.5626

■ 91.0037, 98.3815,
87.5923

Harmonies

Analogous

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



13.1266, 14.2420, 88.0353



20.4776, 14.2420, 75.0685



27.4968, 14.2420, 43.8449

Triad

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



20.4776, 14.2420, 75.0685



21.4376, 14.2420, 0.5092



4.3783, 14.2420, 14.3508

Complementary

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



20.4776, 14.2420, 75.0685



57.3146, 65.1005, 16.2031

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.



5.3430, 14.2420, 3.1198



20.4776, 14.2420, 75.0685



13.9550, 14.2420, 0.0000

Square

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



20.4776, 14.2420, 75.0685



28.1665, 14.2420, 3.8798



8.3734, 14.2420, 0.3230



5.1232, 14.2420, 39.8635

Rectangle

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



20.4776, 14.2420, 75.0685



30.2252, 14.2420, 24.2826



8.3734, 14.2420, 0.3230



4.5045, 14.2420, 9.1506

Sweetspot

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



20.4784, 14.2424, 75.0689



65.6699, 65.4934, 103.7881



42.6183, 61.7723, 72.4293



13.3108, 13.1378, 22.0842



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.



20.4784, 14.2424, 75.0689



21.3176, 11.9140, 95.7838



26.7072, 15.8864, 75.0579



13.6883, 14.0980, 18.1441



8.2763, 3.6147, 42.6447



0.6482, 0.3403, 3.1635

Inverse Universe

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



36.3149, 22.2487, 11.8315



43.3387, 23.8202, 7.6770



44.9088, 64.1894, 16.6811



14.4302, 14.3893, 15.2001



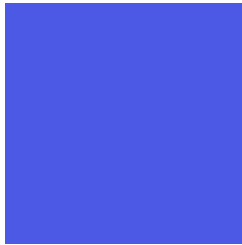
18.5710, 9.5626, 1.3699



1.3908, 0.7140, 0.1984

Previews

White Background



This preview shows how the XYZ color 20.4776, 14.2420, 75.0685 looks on a white background.

Color Contrast Check

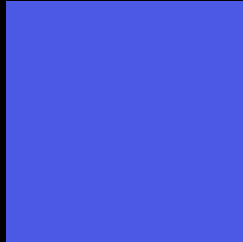
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.4776, 14.2420, 75.0685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

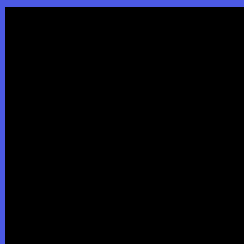
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.4776, 14.2420, 75.0685

Background



This preview shows how black text looks on a background with the XYZ color 20.4776, 14.2420, 75.0685.



This preview shows how white text looks on a background with the XYZ color 20.4776, 14.2420,

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

20.4776, 14.2420, 75.0685

Protanopia

16.7913, 14.1624, 65.4669

Deuteranopia

13.9094, 13.9761, 47.3119



Tritanopia

9.9471, 13.9715, 21.5745

Trichromacy



Original Color

20.4776, 14.2420, 75.0685

Protanomaly

17.5129, 13.8969, 68.7772

Deuteranomaly

15.4345, 13.5175, 56.4392

Tritanomaly

12.1276, 13.1497, 36.0814

Monochromacy



Original Color

20.4776, 14.2420, 75.0685

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.9548, 12.9313, 29.3643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4776, 14.2420, 75.0685 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(75, 89, 228)` looks like.

```
.text, #text, p{  
    color:rgb(75, 89, 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(75, 89, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 89, 228) }
```

Border

The CSS property to change the border of an element to XYZ 20.4776, 14.2420, 75.0685 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(75, 89, 228) }
```


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

```
.border{ border-color:rgb(75, 89, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 89, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 89, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 89, 228);  
box-shadow:4px 4px 4px 4px rgb(75, 89,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4776, 14.2420, 75.0685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 89, 228) }
```

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

```
.background{ background-color: rgb(75, 89,  
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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