

Converting Colors

XYZ(20.4232, 17.4554, 64.3498)

Have a look what the booklet for
XYZ(20.4232, 17.4554, 64.3498)
contains.

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Color

**XYZ(20.4401, 17.4418,
64.5767)**

Conversions

Conversions Part 1

Format	Color
Hex	4C6ED4
RGB	76, 110, 212
RGB Percent	30%, 43%, 83%
CMY	0.7019, 0.5686, 0.1686
CMYK	0.64, 0.48, 0.00, 0.17
HSL	225°, 61%, 56%
HSV	225°, 64%, 83%
XYZ	20.4401, 17.4418, 64.5767
YIQ	111.4620, -53.0060, 24.5140

Conversions

Conversions Part 2

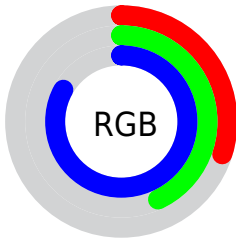
Format	Color
R_{YB}	76, 103, 212
Decimal	5009108
CIE _{Lab}	48.81, 20.20, -56.29
CIE _{LCh}	49, 59.805, 289.739
Yxy	17.4418, 0.1995, 0.1702
Android (android.graphics.Color)	4283199188 (0xFF4C6ED4)
YUV	111.4620, 49.5652, -31.1002
Hunter-Lab	41.7634, 14.2767, -62.4429

Details

The XYZ color **20.4401, 17.4418, 64.5767** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **44.3783, 46.3630, 13.4489**, and the grayscale version is **15.1159, 15.9031, 17.3184**.

A 20% lighter version of the original color is **41.1114, 38.0281, 99.7811**, and **7.8633, 5.9893, 32.6399** is the 20% darker color. If you saturate the color by 10%, you get **17.4604, 13.5835, 63.9894**, and if you desaturate by 10%, it is **24.2840, 22.2029, 65.2935**.

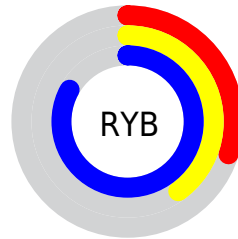
Distribution



Red (30%)

Green (43%)

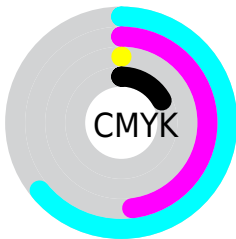
Blue (83%)



Red (30%)

Yellow (40%)

Blue (83%)

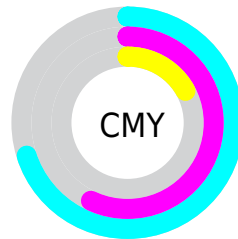


Cyan (64%)

Magenta (48%)

Yellow (0%)

Black (17%)



Cyan (70%)

Magenta (57%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4401, 17.4418, 64.5767 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 20.4401, 17.4418, 64.5767 by changing the saturation by 10% instead.

■ 20.4401, 17.4418,
64.5767

■ 20.4401, 17.4418,
64.5767

247.0762,
237.7056, 459.5338

■ 12.8255, 10.5500,
46.6688

■ 43.6522, 39.0838,
113.0485

■ 7.3846, 5.7651,
32.4214

■ 59.9803, 54.6028,
144.4495

■ 3.7523, 2.7028,
21.4161

■ 79.9437, 73.7664,
181.1851

■ 1.5630, 0.9786,
13.2343

■ 103.9076, 96.9588,
223.6741

■ 0.3681, 0.0000,
7.4575

132.2375,
124.5646, 272.3349

■ 0.0000, 0.0000,
3.6670

165.2986,

■ 0.0000, 0.0000,

156.9680, 327.5861

1.4445

203.4564,
194.5536, 389.8462

■ 0.0000, 0.0000,
0.1761

■ 0.0000, 0.0000,
0.0000

■ 20.4401, 17.4418,
64.5767

■ 20.4401, 17.4418,
64.5767

■ 17.4604, 13.5835,
63.9894

■ 24.2840, 22.2029,
65.2935

■ 15.2691, 10.5640,
63.5221

■ 29.0541, 27.9210,
66.1458

■ 13.7800, 8.3124,
63.1660

■ 34.8094, 34.6476,
67.1408

■ 13.1565, 7.2989,
63.0032

■ 41.6028, 42.4301,
68.2849

■ 49.4836, 51.3125,
69.5840

■ 58.4977, 61.3365,
71.0438

■ 68.6885, 72.5413,
72.6694

■ 80.0970, 84.9644,
74.4660

■ 88.2834, 96.3328,
76.2289

Harmonies

Analogous

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



14.7528, 17.4418, 67.5708



20.4401, 17.4418, 64.5767



26.1023, 17.4418, 46.2987

Triad

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



20.4401, 17.4418, 64.5767



24.4545, 17.4418, 3.9319



8.1532, 17.4418, 14.0611

Complementary

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



20.4401, 17.4418, 64.5767



44.3783, 46.3630, 13.4489

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.



9.7081, 17.4418, 5.3153



20.4401, 17.4418, 64.5767



18.5476, 17.4418, 2.0143

Square

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



20.4401, 17.4418, 64.5767



28.7541, 17.4418, 10.4421



13.2357, 17.4418, 2.3209



8.4403, 17.4418, 31.2633

Rectangle

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



20.4401, 17.4418, 64.5767



28.7063, 17.4418, 31.6281



13.2357, 17.4418, 2.3209



8.4614, 17.4418, 10.2681

Sweetspot

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



20.4409, 17.4423, 64.5772



68.8996, 70.9068, 104.6627



34.5609, 51.8386, 50.3051



14.0225, 14.3581, 22.2823



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.



20.4409, 17.4423, 64.5772



25.1670, 18.8073, 96.9115



20.8999, 13.2389, 63.7416



11.9923, 12.5080, 15.7197



8.1896, 4.6410, 38.9173



0.5603, 0.4126, 2.3694

Inverse Universe

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



32.5511, 20.2929, 16.9533



45.4784, 25.4290, 16.6233



43.2091, 57.0745, 15.5780



12.5493, 12.4712, 13.5670



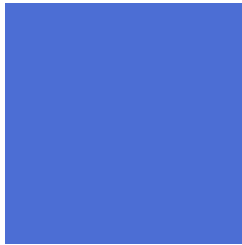
17.1926, 8.8134, 3.0523



1.0705, 0.5450, 0.3604

Previews

White Background



This preview shows how the XYZ color 20.4401, 17.4418, 64.5767 looks on a white background.

Color Contrast Check

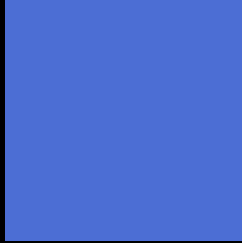
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4401, 17.4418, 64.5767 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 20.4401, 17.4418, 64.5767

Background



This preview shows how black text looks on a background with the XYZ color 20.4401, 17.4418, 64.5767.



This preview shows how white text looks on a background with the XYZ color 20.4401, 17.4418,

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

20.4401, 17.4418, 64.5767

Protanopia

19.9184, 17.4675, 65.9401

Deuteranopia

17.8636, 17.5109, 62.1129



Tritanopia

12.7725, 17.3208, 26.7148

Trichromacy



Original Color

20.4401, 17.4418, 64.5767

Protanomaly

20.0094, 17.3663, 65.2482

Deuteranomaly

18.1182, 17.1118, 62.6696

Tritanomaly

14.8478, 17.0197, 38.0999

Monochromacy



Original Color

20.4401, 17.4418, 64.5767

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.0667, 16.1037, 30.2785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4401, 17.4418, 64.5767 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, 110, 212)` looks like.

```
.text, #text, p{  
    color:rgb(76, 110, 212)  
}
```

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, 110, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 110, 212) }
```

Border

The CSS property to change the border of an element to XYZ 20.4401, 17.4418, 64.5767 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, 110, 212) }
```


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

```
.border{ border-color:rgb(76, 110, 212) }
```

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

Here you see how a box with a 4 pixel rgb(76, 110, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 110, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 110, 212);  
box-shadow:4px 4px 4px 4px rgb(76, 110,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4401, 17.4418, 64.5767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 110, 212) }
```

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

```
.background{ background-color: rgb(76, 110,  
212) }
```

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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