

Converting Colors

XYZ(20.2076, 18.4679, 64.7919)

Have a look what the booklet for
XYZ(20.2076, 18.4679, 64.7919)
contains.

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Color

**XYZ(20.2316, 18.5002,
64.7919)**

Conversions

Conversions Part 1

Format	Color
Hex	3E75D4
RGB	62, 117, 212
RGB Percent	24%, 46%, 83%
CMY	0.7568, 0.5412, 0.1686
CMYK	0.71, 0.45, 0.00, 0.17
HSL	218°, 64%, 54%
HSV	218°, 71%, 83%
XYZ	20.2316, 18.5002, 64.7919
YIQ	111.3850, -63.2750, 17.8850

Conversions

Conversions Part 2

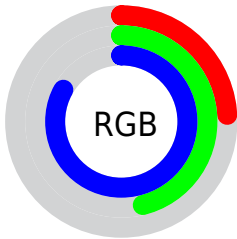
Format	Color
R _Y B	62, 102, 212
Decimal	4093396
CIE Lab	50.10, 13.64, -54.26
CIE LCh	50, 55.949, 284.107
Yxy	18.5002, 0.1954, 0.1787
Android (android.graphics.Color)	4282283476 (0xFF3E75D4)
YUV	111.3850, 49.6032, -43.3106
Hunter-Lab	43.0119, 8.6908, -59.2046

Details

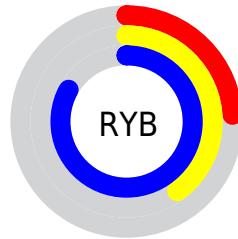
The XYZ color **20.2316, 18.5002, 64.7919** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **40.0800, 38.4624, 9.8705**, and the grayscale version is **15.0958, 15.8820, 17.2955**.

A 20% lighter version of the original color is **40.8422, 40.0316, 100.1820**, and **8.2760, 6.8146, 32.7775** is the 20% darker color. If you saturate the color by 10%, you get **17.6981, 15.0360, 64.2572**, and if you desaturate by 10%, it is **23.5094, 22.6816, 65.4267**.

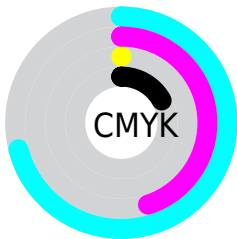
Distribution



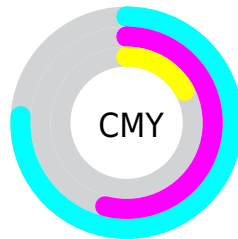
- Red (24%)
- Green (46%)
- Blue (83%)



- Red (24%)
- Yellow (40%)
- Blue (83%)



- Cyan (71%)
- Magenta (45%)
- Yellow (0%)
- Black (17%)



- Cyan (76%)
- Magenta (54%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2316, 18.5002, 64.7919 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 20.2316, 18.5002, 64.7919 by changing the saturation by 10% instead.

■ 20.2316, 18.5002,
64.7919

■ 20.2316, 18.5002,
64.7919

245.9759,
243.6755, 460.3295

■ 12.6727, 11.3097,
46.8421

■ 43.3061, 40.8878,
113.3610

■ 7.2790, 6.2755,
32.5574

■ 59.5525, 56.8537,
144.8174

■ 3.6851, 3.0133,
21.5193

■ 79.4254, 76.5136,
181.6131

■ 1.5256, 1.1387,
13.3092

■ 103.2903,
100.2517, 224.1666

■ 0.3431, 0.0108,
7.5086

■ 131.5124,
128.4526, 272.8964

■ 0.0000, 0.0000,
3.6989

164.4571,

■ 0.0000, 0.0000,

161.5006, 328.2212

1.4617

202.4899,
199.7801, 390.5593

■ 0.0000, 0.0000,
0.1891

■ 0.0000, 0.0000,
0.0000

■ 20.2316, 18.5002,
64.7919

■ 20.2316, 18.5002,
64.7919

■ 17.6981, 15.0360,
64.2572

■ 23.5094, 22.6816,
65.4267

■ 15.8328, 12.2351,
63.8149

■ 27.5919, 27.6241,
66.1655

■ 14.5886, 10.1633,
63.4806

■ 32.5356, 33.3696,
67.0139

■ 38.3908, 39.9558,
67.9766

■ 45.2038, 47.4181,
69.0579

■ 53.0174, 55.7894,
70.2619

■ 61.8719, 65.1009,
71.5925

■ 71.8053, 75.3823,
73.0534

■ 82.8535, 86.6617,
74.6483

Harmonies

Analogous

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



14.8969, 18.5002, 64.2718



20.2316, 18.5002, 64.7919



25.8244, 18.5002, 49.8388

Triad

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



20.2316, 18.5002, 64.7919



26.1205, 18.5002, 5.7465



9.3839, 18.5002, 13.0625

Complementary

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



20.2316, 18.5002, 64.7919



40.0800, 38.4624, 9.8705

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.



11.3144, 18.5002, 5.4678



20.2316, 18.5002, 64.7919



20.5760, 18.5002, 2.9620

Square

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



20.2316, 18.5002, 64.7919



29.6658, 18.5002, 13.7431



15.1779, 18.5002, 2.8959



9.3290, 18.5002, 28.2746

Rectangle

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



20.2316, 18.5002, 64.7919



28.6466, 18.5002, 36.0756



15.1779, 18.5002, 2.8959



9.8140, 18.5002, 9.7668

Sweetspot

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



20.2324, 18.5008, 64.7924



68.1369, 71.4567, 104.8091



31.6171, 50.5462, 39.9902



13.9382, 14.5923, 22.3319



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.



20.2324, 18.5008, 64.7924



25.3037, 20.5270, 97.2362



17.0874, 9.9941, 63.3162



12.1117, 12.7468, 15.7595



9.0939, 6.4496, 39.2188



0.6262, 0.5444, 2.3914

Inverse Universe

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



32.0857, 18.7279, 18.7536



45.1943, 23.9635, 19.2947



46.1521, 58.6419, 13.4455



12.6096, 12.4953, 13.8843



17.6491, 8.9959, 5.4560



1.1037, 0.5583, 0.5356

Previews

White Background



This preview shows how the XYZ color 20.2316, 18.5002, 64.7919 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 20.2316, 18.5002, 64.7919 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 20.2316, 18.5002, 64.7919

Background



This preview shows how black text looks on a background with the XYZ color 20.2316, 18.5002, 64.7919.



This preview shows how white text looks on a background with the XYZ color 20.2316, 18.5002,

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

20.2316, 18.5002, 64.7919

Protanopia

20.5876, 18.3705, 63.4335

Deuteranopia

19.0098, 18.4121, 64.1800



Tritanopia

13.1337, 18.4555, 28.4612

Trichromacy



Original Color

20.2316, 18.5002, 64.7919

Protanomaly

20.5291, 18.4960, 64.1161

Deuteranomaly

19.3095, 18.3890, 64.1597

Tritanomaly

14.9178, 18.1509, 39.2764

Monochromacy



Original Color

20.2316, 18.5002, 64.7919

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.7646, 16.2755, 30.3276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2316, 18.5002, 64.7919 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(62, 117, 212)` looks like.

```
.text, #text, p{  
    color:rgb(62, 117, 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(62, 117, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 117, 212) }
```

Border

The CSS property to change the border of an element to XYZ 20.2316, 18.5002, 64.7919 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(62, 117, 212) }
```


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

```
.border{ border-color:rgb(62, 117, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 117, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 117, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 117, 212);  
box-shadow:4px 4px 4px 4px rgb(62, 117,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2316, 18.5002, 64.7919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 117, 212) }
```

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

```
.background{ background-color: rgb(62, 117,  
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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