

Converting Colors

XYZ(20.3992, 15.6267, 71.6201)

Have a look what the booklet for
XYZ(20.3992, 15.6267, 71.6201)
contains.

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Color

**XYZ(20.3797, 15.5910,
71.7473)**

Conversions

Conversions Part 1

Format	Color
Hex	4763DF
RGB	71, 99, 223
RGB Percent	28%, 39%, 87%
CMY	0.7215, 0.6118, 0.1255
CMYK	0.68, 0.56, 0.00, 0.13
HSL	229°, 70%, 58%
HSV	229°, 68%, 87%
XYZ	20.3797, 15.5910, 71.7473
YIQ	104.7640, -56.4920, 32.6280

Conversions

Conversions Part 2

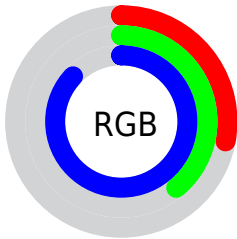
Format	Color
RYB	71, 95, 223
Decimal	4678623
CIELab	46.43, 30.16, -66.39
CIELCh	46, 72.923, 294.428
Yxy	15.5910, 0.1892, 0.1447
Android (android.graphics.Color)	4282868703 (0xFF4763DF)
YUV	104.7640, 58.2903, -29.6110
Hunter-Lab	39.4854, 23.0300, -80.0935

Details

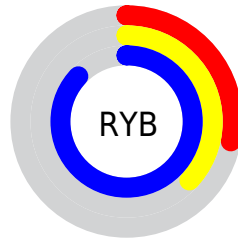
The XYZ color **20.3797, 15.5910, 71.7473** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted azure. A complement of this color would be **51.0867, 55.1780, 13.9208**, and the grayscale version is **13.2231, 13.9117, 15.1498**.

A 20% lighter version of the original color is **38.9508, 33.9491, 99.1077**, and **8.2482, 5.3362, 37.1545** is the 20% darker color. If you saturate the color by 10%, you get **17.5001, 11.8297, 71.1735**, and if you desaturate by 10%, it is **24.2489, 20.4388, 72.4795**.

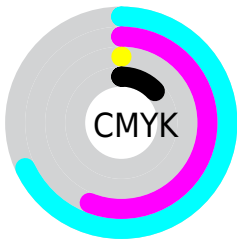
Distribution



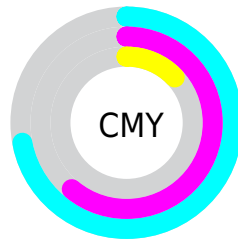
- Red (28%)
- Green (39%)
- Blue (87%)



- Red (28%)
- Yellow (37%)
- Blue (87%)



- Cyan (68%)
- Magenta (56%)
- Yellow (0%)
- Black (13%)



- Cyan (72%)
- Magenta (61%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3797, 15.5910, 71.7473 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 20.3797, 15.5910, 71.7473 by changing the saturation by 10% instead.

■ 20.3797, 15.5910,
71.7473

■ 20.3797, 15.5910,
71.7473

246.7579,
226.9160, 485.6154

■ 12.7812, 9.2352,
52.4667

■ 43.5520, 35.8867,
123.4016

■ 7.3540, 4.8949,
36.9924

■ 59.8565, 50.5954,
156.6123

■ 3.7328, 2.1857,
24.9059

■ 79.7937, 68.8571,
195.3035

■ 1.5521, 0.7122,
15.7886

■ 103.7290, 91.0564,
239.8937

■ 0.3609, 0.0000,
9.2219

132.0277,
117.5775, 290.8015

■ 0.0000, 0.0000,
4.7874

165.0551,

■ 0.0000, 0.0000,

148.8049, 348.4453

2.0665

203.1768,
185.1229, 413.2438

■ 0.0000, 0.0000,
0.5957

■ 0.0000, 0.0000,
0.0000

■ 20.3797, 15.5910,
71.7473

■ 20.3797, 15.5910,
71.7473

■ 17.5001, 11.8297,
71.1735

■ 24.2489, 20.4388,
72.4795

■ 15.5121, 9.0651,
70.7446

■ 29.1881, 26.4502,
73.3795

■ 14.2872, 7.1871,
70.4467

■ 35.2721, 33.6962,
74.4574

■ 14.1146, 6.9183,
70.4039

■ 42.5681, 42.2419,
75.7224

■ 51.1378, 52.1476,
77.1827

■ 61.0388, 63.4698,
78.8463

■ 72.3253, 76.2618,
80.7205

■ 85.0482, 90.5739,
82.8124

■ 90.3194, 98.1077,
83.9888

Harmonies

Analogous

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



13.6795, 15.5910, 79.6690



20.3797, 15.5910, 71.7473



26.9357, 15.5910, 45.9947

Triad

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



20.3797, 15.5910, 71.7473



22.9895, 15.5910, 1.5364



5.7719, 15.5910, 13.8413

Complementary

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



20.3797, 15.5910, 71.7473



51.0867, 55.1780, 13.9208

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.



7.0213, 15.5910, 3.7762



20.3797, 15.5910, 71.7473



16.0196, 15.5910, 0.5229

Square

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



20.3797, 15.5910, 71.7473



28.7158, 15.5910, 6.3322



10.3744, 15.5910, 0.9552



6.3340, 15.5910, 35.6138

Rectangle

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



20.3797, 15.5910, 71.7473



29.7159, 15.5910, 28.0245



10.3744, 15.5910, 0.9552



5.9799, 15.5910, 9.2963

Sweetspot

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



20.3805, 15.5914, 71.7477



66.8448, 67.8433, 104.1797



38.5684, 57.9482, 59.3722



13.5867, 13.6896, 22.1762



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.



20.3805, 15.5914, 71.7477



22.3742, 14.2026, 96.1699



22.8567, 13.5902, 71.2310



13.1552, 13.6496, 17.3290



8.3589, 4.1874, 41.4161



0.6397, 0.4108, 2.8908

Inverse Universe

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



34.9376, 21.0967, 14.0351



43.8293, 23.8527, 10.7654



45.7490, 62.6253, 15.6396



13.8098, 13.7416, 14.7687



18.1594, 9.3308, 2.2393



1.2891, 0.6589, 0.3155

Previews

White Background



This preview shows how the XYZ color 20.3797, 15.5910, 71.7473 looks on a white background.

Color Contrast Check

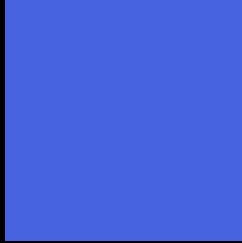
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3797, 15.5910, 71.7473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

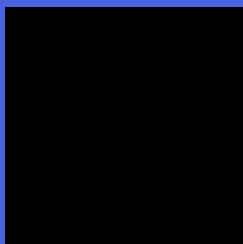
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.3797, 15.5910, 71.7473

Background



This preview shows how black text looks on a background with the XYZ color 20.3797, 15.5910, 71.7473.



This preview shows how white text looks on a background with the XYZ color 20.3797, 15.5910,

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

20.3797, 15.5910, 71.7473

Protanopia

18.5061, 15.4850, 72.5345

Deuteranopia

15.5318, 15.4834, 53.2089



Tritanopia

10.9341, 15.3134, 23.8522

Trichromacy



Original Color

20.3797, 15.5910, 71.7473

Protanomaly

18.7308, 15.3019, 72.4874

Deuteranomaly

16.7031, 15.1428, 59.8001

Tritanomaly

13.0320, 14.7102, 37.2745

Monochromacy



Original Color

20.3797, 15.5910, 71.7473

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.7097, 14.1658, 29.9760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3797, 15.5910, 71.7473 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(71, 99, 223)` looks like.

```
.text, #text, p{  
  color:rgb(71, 99, 223)  
}
```

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(71, 99, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 99, 223) }
```

Border

The CSS property to change the border of an element to XYZ 20.3797, 15.5910, 71.7473 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(71, 99, 223) }
```


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

```
.border{ border-color:rgb(71, 99, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 99, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 99, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 99, 223);  
box-shadow:4px 4px 4px 4px rgb(71, 99,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3797, 15.5910, 71.7473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 99, 223) }
```

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

```
.background{ background-color: rgb(71, 99,  
223) }
```

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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