

Converting Colors

XYZ(16.2371, 11.2668, 55.3523)

Have a look what the booklet for
XYZ(16.2371, 11.2668, 55.3523)
contains.

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Color

**XYZ(16.1751, 11.1920,
55.3406)**

Conversions

Conversions Part 1

Format	Color
Hex	4E4EC7
RGB	78, 78, 199
RGB Percent	31%, 31%, 78%
CMY	0.6941, 0.6941, 0.2196
CMYK	0.61, 0.61, 0.00, 0.22
HSL	240°, 52%, 54%
HSV	240°, 61%, 78%
XYZ	16.1751, 11.1920, 55.3406
YIQ	91.7940, -38.8410, 37.6310

Conversions

Conversions Part 2

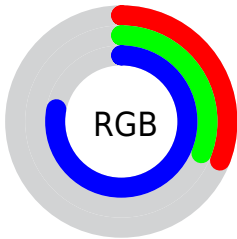
Format	Color
R_{YB}	78, 78, 199
Decimal	5131975
CIE _{Lab}	39.90, 36.12, -63.23
CIE _{LCh}	40, 72.818, 299.741
Yxy	11.1920, 0.1956, 0.1353
Android (android.graphics.Color)	4283322055 (0xFF4E4EC7)
YUV	91.7940, 52.8526, -12.0973
Hunter-Lab	33.4544, 27.7588, -74.6599

Details

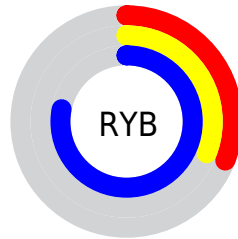
The XYZ color **16.1751, 11.1920, 55.3406** is a dark color, and the websafe version is hex **333399**. The color can be described as dark muted blue. A complement of this color would be **45.3502, 53.5384, 15.1515**, and the grayscale version is **10.0149, 10.5364, 11.4741**.

A 20% lighter version of the original color is **36.1206, 27.8020, 98.0703**, and **5.5779, 3.1013, 26.6902** is the 20% darker color. If you saturate the color by 10%, you get **13.5782, 8.0625, 54.8737**, and if you desaturate by 10%, it is **19.6940, 15.4316, 55.9737**.

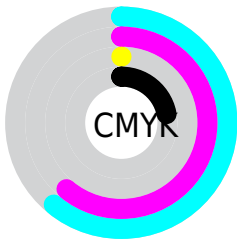
Distribution



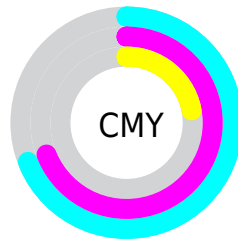
- Red (31%)
- Green (31%)
- Blue (78%)



- Red (31%)
- Yellow (31%)
- Blue (78%)



- Cyan (61%)
- Magenta (61%)
- Yellow (0%)
- Black (22%)



- Cyan (69%)
- Magenta (69%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1751, 11.1920, 55.3406 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 16.1751, 11.1920, 55.3406 by changing the saturation by 10% instead.

■ 16.1751, 11.1920,
55.3406

■ 16.1751, 11.1920,
55.3406

223.6229,
198.9801, 424.5200

■ 9.7398, 6.1961,
39.2740

■ 36.4569, 28.0147,
99.5160

■ 5.2877, 2.9647,
26.6635

■ 51.0341, 40.6102,
128.4618

■ 2.4535, 1.1133,
17.0905

■ 69.0560, 56.5079,
162.5379

■ 0.8719, 0.0000,
10.1364

■ 90.8879, 76.0919,
202.1627

■ 0.0000, 0.0000,
5.3827

■ 116.8952, 99.7467,
247.7548

■ 0.0000, 0.0000,
2.4109

147.4432,

■ 0.0000, 0.0000,

127.8568, 299.7327

0.7924

182.8973,
160.8064, 358.5149

■ 0.0000, 0.0000,
0.0000

■ 16.1751, 11.1920,
55.3406

■ 16.1751, 11.1920,
55.3406

■ 13.5782, 8.0625,
54.8737

■ 19.6940, 15.4316,
55.9737

■ 11.8154, 5.9386,
54.5567

■ 24.2085, 20.8713,
56.7858

■ 10.7853, 4.6975,
54.3714

■ 29.7866, 27.5926,
57.7891

■ 10.3090, 4.1236,
54.2857

■ 36.4901, 35.6699,
58.9949

■ 44.3759, 45.1719,
60.4133

■ 53.4971, 56.1625,
62.0540

■ 63.9035, 68.7018,
63.9258

■ 75.6424, 82.8467,
66.0374

■ 87.3089, 96.9035,
68.1357

Harmonies

Analogous

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



10.5941, 11.1920, 65.9286



16.1751, 11.1920, 55.3406



21.3316, 11.1920, 32.0756

Triad

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



16.1751, 11.1920, 55.3406



16.2751, 11.1920, 0.4124



3.6144, 11.1920, 12.0618

Complementary

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



16.1751, 11.1920, 55.3406



45.3502, 53.5384, 15.1515

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.



4.2926, 11.1920, 2.8944



16.1751, 11.1920, 55.3406



10.6813, 11.1920, 0.0000

Square

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



16.1751, 11.1920, 55.3406



21.4010, 11.1920, 2.9781



6.5347, 11.1920, 0.3894



4.2689, 11.1920, 31.6652

Rectangle

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



16.1751, 11.1920, 55.3406



23.2296, 11.1920, 17.7969



6.5347, 11.1920, 0.3894



3.6899, 11.1920, 7.8993

Sweetspot

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



16.1757, 11.1923, 55.3409



67.1985, 66.4403, 103.8903



33.8743, 46.5903, 61.2406



13.5631, 13.2327, 22.0893



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.



16.1757, 11.1923, 55.3409



22.6132, 12.7179, 95.8707



23.5974, 15.0184, 55.6882



10.0568, 10.2875, 13.3731



6.6289, 2.6516, 34.9068



0.3139, 0.1256, 1.6528

Inverse Universe

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



36.5858, 21.7142, 56.2920



61.4072, 32.7171, 97.6776



32.3629, 46.8432, 14.5437



11.0831, 10.8166, 13.4210



21.7732, 10.4589, 35.6113



1.0310, 0.4952, 1.6862

Previews

White Background



This preview shows how the XYZ color 16.1751, 11.1920, 55.3406 looks on a white background.

Color Contrast Check

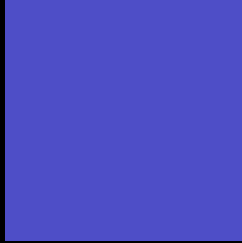
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1751, 11.1920, 55.3406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

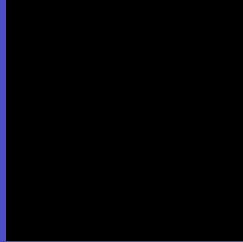
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.1751, 11.1920, 55.3406

Background



This preview shows how black text looks on a background with the XYZ color 16.1751, 11.1920, 55.3406.



This preview shows how white text looks on a background with the XYZ color 16.1751, 11.1920,

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

16.1751, 11.1920, 55.3406

Protanopia

13.0601, 11.0739, 50.7394

Deuteranopia

10.9744, 11.0824, 37.1580



Tritanopia

8.4126, 11.2055, 16.7584

Trichromacy



Original Color

16.1751, 11.1920, 55.3406

Protanomaly

13.5443, 10.7975, 52.4092

Deuteranomaly

11.9871, 10.5660, 43.0026

Tritanomaly

10.3259, 10.6924, 27.5062

Monochromacy



Original Color

16.1751, 11.1920, 55.3406

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.4354, 10.4813, 22.8931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1751, 11.1920, 55.3406 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(78, 78, 199)` looks like.

```
.text, #text, p{  
    color:rgb(78, 78, 199)  
}
```

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(78, 78, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 78, 199) }
```

Border

The CSS property to change the border of an element to XYZ 16.1751, 11.1920, 55.3406 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(78, 78, 199) }
```


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

```
.border{ border-color:rgb(78, 78, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 78, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 78, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 78, 199);  
box-shadow:4px 4px 4px 4px rgb(78, 78,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1751, 11.1920, 55.3406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 78, 199) }
```

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

```
.background{ background-color: rgb(78, 78,  
199) }
```

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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