

Converting Colors

XYZ(16.0685, 15.5653, 52.4583)

Have a look what the booklet for
XYZ(16.0685, 15.5653, 52.4583)
contains.

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Color

**XYZ(16.1468, 15.6505,
52.6219)**

Conversions

Conversions Part 1

Format	Color
Hex	276FC1
RGB	39, 111, 193
RGB Percent	15%, 44%, 76%
CMY	0.8470, 0.5647, 0.2431
CMYK	0.80, 0.42, 0.00, 0.24
HSL	212°, 66%, 45%
HSV	212°, 80%, 76%
XYZ	16.1468, 15.6505, 52.6219
YIQ	98.8200, -69.2340, 10.2380

Conversions

Conversions Part 2

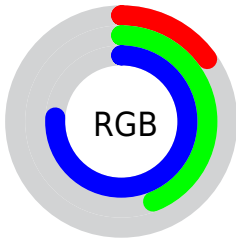
Format	Color
R_{YB}	39, 88, 193
Decimal	2584513
CIE _{Lab}	46.51, 7.47, -49.17
CIE _{LCh}	47, 49.735, 278.636
Yxy	15.6505, 0.1913, 0.1854
Android (android.graphics.Color)	4280774593 (0xFF276FC1)
YUV	98.8200, 46.4307, -52.4621
Hunter-Lab	39.5607, 3.6240, -51.1724

Details

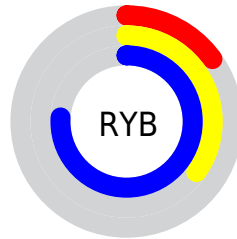
The XYZ color **16.1468, 15.6505, 52.6219** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **29.1979, 25.1620, 5.2385**, and the grayscale version is **11.7152, 12.3253, 13.4222**.

A 20% lighter version of the original color is **36.3600, 35.9309, 95.4615**, and **6.4936, 5.5309, 25.1514** is the 20% darker color. If you saturate the color by 10%, you get **14.5353, 13.2498, 52.2438**, and if you desaturate by 10%, it is **18.2602, 18.5018, 53.0612**.

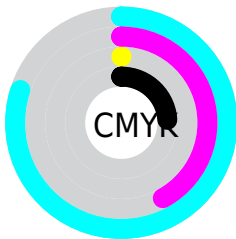
Distribution



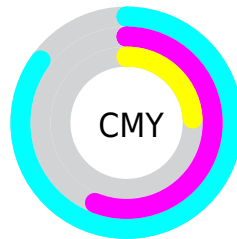
- Red (15%)
- Green (44%)
- Blue (76%)



- Red (15%)
- Yellow (35%)
- Blue (76%)



- Cyan (80%)
- Magenta (42%)
- Yellow (0%)
- Black (24%)



- Cyan (85%)
- Magenta (56%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1468, 15.6505, 52.6219 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 16.1468, 15.6505, 52.6219 by changing the saturation by 10% instead.

■ 16.1468, 15.6505,
52.6219

■ 16.1468, 15.6505,
52.6219

223.4598,
227.2705, 413.8579

■ 9.7196, 9.2772,
37.1154

■ 36.4083, 35.9904,
95.4837

■ 5.2743, 4.9224,
25.0003

■ 50.9732, 50.7257,
123.6760

■ 2.4455, 2.2018,
15.8583

■ 68.9815, 69.0172,
156.9340

■ 0.8678, 0.7210,
9.2707

■ 90.7984, 91.2492,
195.6762

■ 0.0000, 0.0000,
4.8189

■ 116.7894,
117.8062, 240.3211

■ 0.0000, 0.0000,
2.0845

147.3197,

■ 0.0000, 0.0000,

149.0724, 291.2874

0.6065

182.7547,
185.4324, 348.9934

■ 0.0000, 0.0000,
0.0000

■ 16.1468, 15.6505,
52.6219

■ 16.1468, 15.6505,
52.6219

■ 14.5353, 13.2498,
52.2438

■ 18.2602, 18.5018,
53.0612

■ 13.3248, 11.2408,
51.9198

■ 20.9272, 21.8360,
53.5642

■ 13.3010, 11.2008,
51.9134

■ 24.1945, 25.6834,
54.1346

■ 28.1028, 30.0704,
54.7754

■ 32.6891, 35.0216,
55.4894

■ 37.9871, 40.5596,
56.2791

■ 44.0284, 46.7056,
57.1470

■ 50.8425, 53.4798,
58.0954

■ 58.4572, 60.9012,
59.1265

Harmonies

Analogous

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



12.0719, 15.6505, 49.8036



16.1468, 15.6505, 52.6219



20.6338, 15.6505, 42.9078

Triad

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



16.1468, 15.6505, 52.6219



22.2818, 15.6505, 6.1477



8.4474, 15.6505, 9.8107

Complementary

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



16.1468, 15.6505, 52.6219



29.1979, 25.1620, 5.2385

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.



10.3023, 15.6505, 4.4577



16.1468, 15.6505, 52.6219



18.0823, 15.6505, 3.1601

Square

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



16.1468, 15.6505, 52.6219



24.5955, 15.6505, 13.7382



13.6724, 15.6505, 2.7401



8.1274, 15.6505, 20.8342

Rectangle

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



16.1468, 15.6505, 52.6219



23.0755, 15.6505, 32.5037



13.6724, 15.6505, 2.7401



8.8922, 15.6505, 7.4754

Sweetspot

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



16.1475, 15.6510, 52.6223



63.5175, 67.9564, 100.1295



23.2115, 39.8935, 23.7956



12.9094, 13.8261, 21.3736



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.1475, 15.6510, 52.6223



24.3426, 20.9160, 93.1145



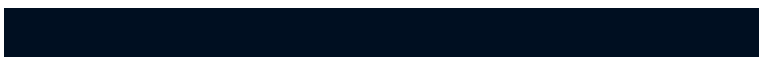
11.2894, 5.7856, 50.9742



9.9078, 10.5069, 12.7907



8.9252, 7.6069, 34.5545



0.4546, 0.4665, 1.5160

Inverse Universe

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



25.5877, 13.9372, 16.3807



43.0191, 21.9314, 20.4266



40.7804, 49.2899, 9.2852



10.2648, 10.1545, 11.4847



15.9010, 8.0502, 7.3907



0.7218, 0.3617, 0.5025

Previews

White Background



This preview shows how the XYZ color 16.1468, 15.6505, 52.6219 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 16.1468, 15.6505, 52.6219 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 16.1468, 15.6505, 52.6219

Background



This preview shows how black text looks on a background with the XYZ color 16.1468, 15.6505, 52.6219.



This preview shows how white text looks on a background with the XYZ color 16.1468, 15.6505,

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

16.1468, 15.6505, 52.6219

Protanopia

17.1907, 15.6060, 50.2503

Deuteranopia

16.0730, 15.6124, 52.6184

Trichromacy



Original Color

16.1468, 15.6505, 52.6219

Protanomaly

16.5813, 15.4349, 50.8205

Deuteranomaly

16.1094, 15.6312, 52.6201

Monochromacy



Original Color

16.1468, 15.6505, 52.6219

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.1445, 12.9717, 24.0540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1468, 15.6505, 52.6219 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(39, 111, 193)` looks like.

```
.text, #text, p{  
  color:rgb(39, 111, 193)  
}
```

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(39, 111, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 111, 193) }
```

Border

The CSS property to change the border of an element to XYZ 16.1468, 15.6505, 52.6219 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(39, 111, 193) }
```

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

```
.border{ border-color:rgb(39, 111, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 111, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 111, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 111, 193);  
box-shadow:4px 4px 4px 4px rgb(39, 111,  
193) }
```


Background

The CSS property to change the background color of an element to XYZ 16.1468, 15.6505, 52.6219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 111, 193) }
```

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

```
.background{ background-color: rgb(39, 111,  
193) }
```

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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