

Converting Colors

XYZ(16.1675, 13.6712, 60.1792)

Have a look what the booklet for
XYZ(16.1675, 13.6712, 60.1792)
contains.

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Color

**XYZ(16.1675, 13.6712,
60.1792)**

Conversions

Conversions Part 1

Format	Color
Hex	1F63CE
RGB	31, 99, 206
RGB Percent	12%, 39%, 81%
CMY	0.8784, 0.6118, 0.1922
CMYK	0.85, 0.52, 0.00, 0.19
HSL	217°, 74%, 46%
HSV	217°, 85%, 81%
XYZ	16.1675, 13.6712, 60.1792
YIQ	90.8660, -74.8750, 18.8610

Conversions

Conversions Part 2

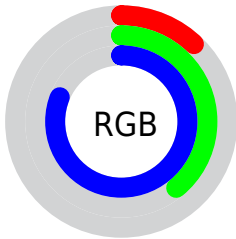
Format	Color
R_{YB}	31, 80, 206
Decimal	2057166
CIE _{Lab}	43.76, 19.46, -61.10
CIE _{LCh}	44, 64.126, 287.667
Yxy	13.6712, 0.1796, 0.1519
Android (android.graphics.Color)	4280247246 (0xFF1F63CE)
YUV	90.8660, 56.7611, -52.5025
Hunter-Lab	36.9746, 13.3453, -70.6172

Details

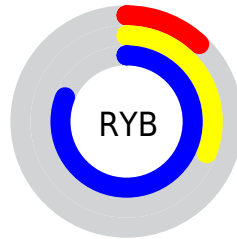
The XYZ color **16.1675, 13.6712, 60.1792** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **34.7928, 31.4038, 5.5255**, and the grayscale version is **9.8026, 10.3131, 11.2310**.

A 20% lighter version of the original color is **34.9818, 31.9030, 98.9219**, and **6.9051, 4.8727, 29.8547** is the 20% darker color. If you saturate the color by 10%, you get **14.6312, 11.2436, 59.7920**, and if you desaturate by 10%, it is **18.2871, 16.6759, 60.6478**.

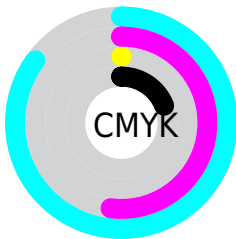
Distribution



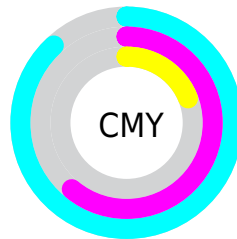
- Red (12%)
- Green (39%)
- Blue (81%)



- Red (12%)
- Yellow (31%)
- Blue (81%)



- Cyan (85%)
- Magenta (52%)
- Yellow (0%)
- Black (19%)



- Cyan (88%)
- Magenta (61%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1675, 13.6712, 60.1792 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 16.1675, 13.6712, 60.1792 by changing the saturation by 10% instead.

■ 16.1675, 13.6712,
60.1792

■ 16.1675, 13.6712,
60.1792

223.5791,
215.1756, 443.0809

■ 9.7344, 7.8923,
43.1368

■ 36.4438, 32.5045,
106.6355

■ 5.2841, 4.0261,
29.6603

■ 51.0178, 46.3277,
136.8865

■ 2.4514, 1.6882,
19.3310

■ 69.0360, 63.6011,
172.3775

■ 0.8708, 0.4160,
11.7305

■ 90.8639, 84.7092,
213.5270

■ 0.0000, 0.0000,
6.4401

■ 116.8668,
110.0363, 260.7536

■ 0.0000, 0.0000,
3.0414

147.4100,

■ 0.0000, 0.0000,

139.9668, 314.4757

1.1158

182.8590,
174.8851, 375.1120

■ 0.0000, 0.0000,
0.0000

■ 16.1675, 13.6712,
60.1792

■ 16.1675, 13.6712,
60.1792

■ 14.6312, 11.2436,
59.7920

■ 18.2871, 16.6759,
60.6478

■ 14.0116, 10.1981,
59.6228

■ 21.0616, 20.3064,
61.2023

■ 24.5526, 24.6060,
61.8482

■ 28.8138, 29.6127,
62.5900

■ 33.8931, 35.3615,
63.4320

■ 39.8342, 41.8847,
64.3779

■ 46.6776, 49.2122,
65.4316

■ 54.4613, 57.3726,
66.5965

■ 63.2207, 66.3927,
67.8759

Harmonies

Analogous

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



11.0294, 13.6712, 61.8942



16.1675, 13.6712, 60.1792



21.5697, 13.6712, 42.5447

Triad

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



16.1675, 13.6712, 60.1792



20.6867, 13.6712, 2.3426



5.6321, 13.6712, 9.7032

Complementary

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



16.1675, 13.6712, 60.1792



34.7928, 31.4038, 5.5255

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.



7.0591, 13.6712, 2.9172



16.1675, 13.6712, 60.1792



15.1791, 13.6712, 0.8948

Square

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



16.1675, 13.6712, 60.1792



24.6083, 13.6712, 7.9435



10.2657, 13.6712, 1.0033



5.7670, 13.6712, 25.0143

Rectangle

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



16.1675, 13.6712, 60.1792



24.1970, 13.6712, 28.1418



10.2657, 13.6712, 1.0033



5.9257, 13.6712, 6.6251

Sweetspot

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



16.1682, 13.6716, 60.1796



64.1590, 67.4492, 104.2452



27.0816, 46.2123, 30.7882



12.9687, 13.6044, 22.1923



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.



16.1682, 13.6716, 60.1796



22.5182, 16.1565, 96.5394



12.8747, 6.0783, 58.8875



10.9532, 11.5468, 14.2218



8.7157, 6.4554, 36.7429



0.5228, 0.4793, 1.9199

Inverse Universe

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



28.1964, 15.0038, 13.2143



43.4954, 22.1621, 13.8066



43.1821, 54.9972, 9.6373



11.3897, 11.2846, 12.5870



16.6102, 8.4547, 5.6659



0.8938, 0.4509, 0.4867

Previews

White Background



This preview shows how the XYZ color 16.1675, 13.6712, 60.1792 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 16.1675, 13.6712, 60.1792 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 16.1675, 13.6712, 60.1792

Background



This preview shows how black text looks on a background with the XYZ color 16.1675, 13.6712, 60.1792.



This preview shows how white text looks on a background with the XYZ color 16.1675, 13.6712,

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

16.1675, 13.6712, 60.1792

Protanopia

16.1091, 13.6411, 60.1765

Deuteranopia

13.4951, 13.4805, 46.1467



Tritanopia

9.5302, 13.4398, 20.5042

Trichromacy



Original Color

16.1675, 13.6712, 60.1792

Protanomaly

16.1378, 13.6559, 60.1778

Deuteranomaly

14.3922, 13.5332, 51.1438

Tritanomaly

11.3564, 13.3083, 32.1072

Monochromacy



Original Color

16.1675, 13.6712, 60.1792

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.6906, 10.9641, 23.7431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1675, 13.6712, 60.1792 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(31, 99, 206)` looks like.

```
.text, #text, p{  
    color:rgb(31, 99, 206)  
}
```

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(31, 99, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 99, 206) }
```

Border

The CSS property to change the border of an element to XYZ 16.1675, 13.6712, 60.1792 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(31, 99, 206) }
```


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

```
.border{ border-color:rgb(31, 99, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 99, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 99, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 99, 206);  
box-shadow:4px 4px 4px 4px rgb(31, 99,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1675, 13.6712, 60.1792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 99, 206) }
```

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

```
.background{ background-color: rgb(31, 99,  
206) }
```

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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