

Converting Colors

XYZ(16.7357, 14.0103, 65.5745)

Have a look what the booklet for
XYZ(16.7357, 14.0103, 65.5745)
contains.

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Color

**XYZ(16.6948, 13.9694,
65.4348)**

Conversions

Conversions Part 1

Format	Color
Hex	0064D6
RGB	0, 100, 214
RGB Percent	0%, 39%, 84%
CMY	0.9998, 0.6078, 0.1608
CMYK	1.00, 0.53, 0.00, 0.16
HSL	212°, 100%, 42%
HSV	212°, 100%, 84%
XYZ	16.6948, 13.9694, 65.4348
YIQ	83.0960, -96.1940, 14.2540

Conversions

Conversions Part 2

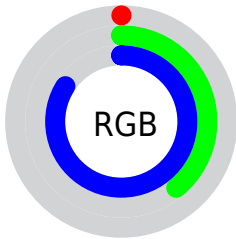
Format	Color
RYB	0, 68, 214
Decimal	25814
CIELab	44.19, 20.58, -65.00
CIELCh	44, 68.183, 287.569
Yxy	13.9694, 0.1737, 0.1454
Android (android.graphics.Color)	4278215894 (0xFF0064D6)
YUV	83.0960, 64.5357, -72.8752
Hunter-Lab	37.3757, 14.3242, -77.6380

Details

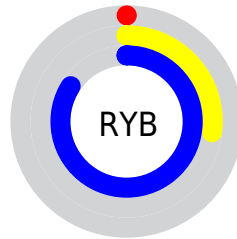
The XYZ color **16.6948, 13.9694, 65.4348** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **33.7554, 26.3431, 3.3072**, and the grayscale version is **8.1319, 8.5553, 9.3168**.

A 20% lighter version of the original color is **34.4358, 31.8575, 98.9419**, and **7.5377, 5.2010, 32.9544** is the 20% darker color. If you saturate the color by 10%, you get **16.6921, 13.9640, 65.4343**, and if you desaturate by 10%, it is **18.1851, 16.4765, 65.8405**.

Distribution



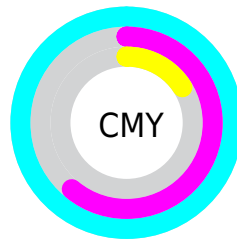
- Red (0%)
- Green (39%)
- Blue (84%)



- Red (0%)
- Yellow (27%)
- Blue (84%)



- Cyan (100%)
- Magenta (53%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (61%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6948, 13.9694, 65.4348 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 16.6948, 13.9694, 65.4348 by changing the saturation by 10% instead.

■ 16.6948, 13.9694,
65.4348

■ 16.6948, 13.9694,
65.4348

226.5981,
217.0404, 462.7017

■ 10.1111, 8.0994,
47.3601

■ 37.3481, 33.0347,
114.2940

■ 5.5355, 4.1586,
32.9641

■ 52.1483, 46.9988,
145.9156

■ 2.6027, 1.7627,
21.8280

■ 70.4182, 64.4297,
182.8900

■ 0.9473, 0.4637,
13.5335

■ 92.5229, 85.7119,
225.6356

■ 0.0000, 0.0000,
7.6619

■ 118.8279,
111.2296, 274.5711

■ 0.0000, 0.0000,
3.7947

149.6985,

■ 0.0000, 0.0000,

141.3673, 330.1149

1.5134

185.5002,
176.5095, 392.6856

■ 0.0000, 0.0000,
0.2279

■ 0.0000, 0.0000,
0.0000

■ 16.6948, 13.9694,
65.4348

■ 16.6948, 13.9694,
65.4348

■ 16.6921, 13.9640,
65.4343

■ 18.1851, 16.4765,
65.8405

■ 20.1867, 19.4833,
66.3154

■ 22.8225, 23.0615,
66.8672

■ 26.1627, 27.2553,
67.5006

■ 30.2669, 32.1030,
68.2200

■ 35.1880, 37.6391,
69.0292

■ 40.9734, 43.8952,
69.9318

■ 47.6671, 50.9005,
70.9312

■ 55.3095, 58.6825,
72.0305

Harmonies

Analogous

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



11.1491, 13.9694, 67.2922



16.6948, 13.9694, 65.4348



22.6000, 13.9694, 45.7308

Triad

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



16.6948, 13.9694, 65.4348



21.6671, 13.9694, 2.0782



5.4537, 13.9694, 9.6263

Complementary

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



16.6948, 13.9694, 65.4348



33.7554, 26.3431, 3.3072

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.



6.9527, 13.9694, 2.6242



16.6948, 13.9694, 65.4348



15.6609, 13.9694, 0.6714

Square

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



16.6948, 13.9694, 65.4348



25.9671, 13.9694, 7.8366



10.3616, 13.9694, 0.7820



5.5890, 13.9694, 26.1738

Rectangle

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



16.6948, 13.9694, 65.4348



25.4950, 13.9694, 29.7578



10.3616, 13.9694, 0.7820



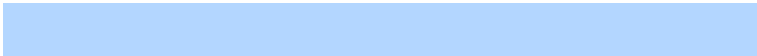
5.7614, 13.9694, 6.3988

Sweetspot

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



16.6955, 13.9697, 65.4352



60.6317, 64.9576, 103.9502



26.8942, 49.2325, 23.0070



12.1629, 13.0303, 22.1240



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.



16.6955, 13.9697, 65.4352



24.6617, 20.4434, 97.2539



12.1836, 4.8796, 63.9184



12.2161, 12.9556, 15.7943



10.1914, 8.6446, 39.5846



0.6971, 0.6862, 2.4150

Inverse Universe

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



30.0326, 15.2175, 13.4110



44.5773, 22.5949, 19.5038



50.7493, 61.8591, 9.2668



12.6623, 12.5164, 14.1617



18.2030, 9.2175, 8.3731



1.1395, 0.5726, 0.7241

Previews

White Background



This preview shows how the XYZ color 16.6948, 13.9694, 65.4348 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 16.6948, 13.9694, 65.4348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

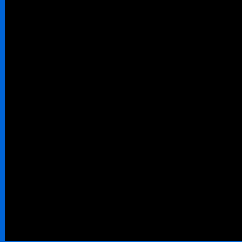
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6948, 13.9694, 65.4348

Background



This preview shows how black text looks on a background with the XYZ color 16.6948, 13.9694, 65.4348.



This preview shows how white text looks on a background with the XYZ color 16.6948, 13.9694,

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

16.6948, 13.9694, 65.4348

Protanopia

16.5674, 13.9184, 64.7641

Deuteranopia

13.9094, 13.9761, 47.3119



Tritanopia

9.8205, 13.9208, 20.9083

Trichromacy



Original Color

16.6948, 13.9694, 65.4348

Protanomaly

16.5674, 13.9184, 64.7641

Deuteranomaly

14.8006, 13.8408, 53.5212

Tritanomaly

11.5767, 13.5522, 33.4582

Monochromacy



Original Color

16.6948, 13.9694, 65.4348

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

9.1373, 9.5403, 22.8326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6948, 13.9694, 65.4348 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(0, 100, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 100, 214)  
}
```

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(0, 100, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 100, 214) }
```

Border

The CSS property to change the border of an element to XYZ 16.6948, 13.9694, 65.4348 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(0, 100, 214) }
```


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

```
.border{ border-color:rgb(0, 100, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 100, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 100, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 100, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 100,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6948, 13.9694, 65.4348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 100, 214) }
```

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

```
.background{ background-color: rgb(0, 100,  
214) }
```

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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