

Converting Colors

XYZ(14.6427, 8.7643, 68.1450)

Have a look what the booklet for
XYZ(14.6427, 8.7643, 68.1450)
contains.

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Color

**XYZ(14.6196, 8.7813,
67.9422)**

Conversions

Conversions Part 1

Format	Color
Hex	0040DB
RGB	0, 64, 219
RGB Percent	0%, 25%, 86%
CMY	0.9998, 0.7490, 0.1412
CMYK	1.00, 0.71, 0.00, 0.14
HSL	222°, 100%, 43%
HSV	222°, 100%, 86%
XYZ	14.6196, 8.7813, 67.9422
YIQ	62.5340, -87.8990, 34.6370

Conversions

Conversions Part 2

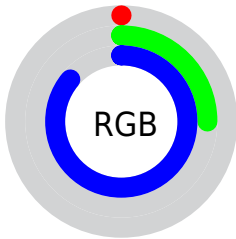
Format	Color
R _Y B	0, 50, 219
Decimal	16603
CIE Lab	35.56, 45.66, -82.01
CIE LCh	36, 93.862, 299.106
Yxy	8.7813, 0.1601, 0.0961
Android (android.graphics.Color)	4278206683 (0xFF0040DB)
YUV	62.5340, 77.1377, -54.8423
Hunter-Lab	29.6333, 36.2050, -115.1950

Details

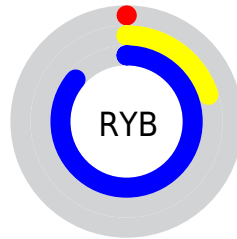
The XYZ color **14.6196, 8.7813, 67.9422** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **40.9448, 38.5221, 5.2791**, and the grayscale version is **4.5593, 4.7968, 5.2237**.

A 20% lighter version of the original color is **29.7880, 21.8725, 97.2596**, and **6.8085, 3.1825, 34.4378** is the 20% darker color. If you saturate the color by 10%, you get **14.6173, 8.7766, 67.9417**, and if you desaturate by 10%, it is **15.9485, 10.9492, 68.2909**.

Distribution



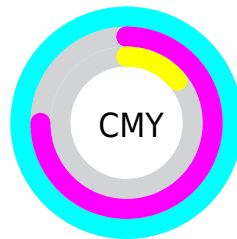
- Red (0%)
- Green (25%)
- Blue (86%)



- Red (0%)
- Yellow (20%)
- Blue (86%)



- Cyan (100%)
- Magenta (71%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (75%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6196, 8.7813, 67.9422 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 14.6196, 8.7813, 67.9422 by changing the saturation by 10% instead.

■ 14.6196, 8.7813,
67.9422

■ 14.6196, 8.7813,
67.9422

214.4864,
181.7379, 471.8837

■ 8.6374, 4.5988,
49.3843

■ 33.7616, 23.4765,
117.9229

■ 4.5607, 2.0139,
34.5567

■ 47.6522, 34.7579,
150.1828

■ 2.0239, 0.6155,
23.0408

■ 64.9095, 49.1745,
187.8471

■ 0.6474, 0.0000,
14.4180

■ 85.8991, 67.1106,
231.3343

■ 0.0000, 0.0000,
8.2699

■ 110.9862, 88.9506,
281.0631

■ 0.0000, 0.0000,
4.1779

■ 140.5362,

■ 0.0000, 0.0000,

115.0789, 337.4519

1.7234

174.9145,
145.8798, 400.9192

■ 0.0000, 0.0000,
0.3767

■ 0.0000, 0.0000,
0.0000

■ 14.6196, 8.7813,
67.9422

■ 14.6196, 8.7813,
67.9422

■ 14.6173, 8.7766,
67.9417

■ 15.9485, 10.9492,
68.2909

■ 17.9115, 13.8323,
68.7439

■ 20.6477, 17.5266,
69.3128

■ 24.2409, 22.0979,
70.0058

■ 28.7630, 27.6042,
70.8302

■ 34.2779, 34.0979,
71.7930

■ 40.8434, 41.6275,
72.9003

■ 48.5128, 50.2379,
74.1581

■ 57.3356, 59.9710,
75.5717

Harmonies

Analogous

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



8.1825, 8.7813, 83.0658



14.6196, 8.7813, 67.9422



21.1074, 8.7813, 35.0659

Triad

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



14.6196, 8.7813, 67.9422



15.0388, 8.7813, 0.0000



1.6092, 8.7813, 9.0966

Complementary

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



14.6196, 8.7813, 67.9422



40.9448, 38.5221, 5.2791

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.



2.1632, 8.7813, 0.9170



14.6196, 8.7813, 67.9422



8.5124, 8.7813, 0.0000

Square

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



14.6196, 8.7813, 67.9422



21.4151, 8.7813, 1.1002



4.1867, 8.7813, 0.0000



2.0968, 8.7813, 33.1555

Rectangle

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



14.6196, 8.7813, 67.9422



23.6332, 8.7813, 16.5034



4.1867, 8.7813, 0.0000



1.6732, 8.7813, 4.9037

Sweetspot

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



14.6202, 8.7814, 67.9425



57.3748, 58.4438, 102.8645



31.1083, 52.9740, 38.8598



11.4011, 11.5067, 21.8701



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.



14.6202, 8.7814, 67.9425



20.5304, 12.1809, 95.8768



13.8189, 5.6477, 67.3799



12.6470, 13.2337, 16.5399



8.7498, 5.3691, 40.3136



0.6403, 0.4948, 2.6362

Inverse Universe

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



30.1395, 15.4315, 6.2402



42.4920, 21.7608, 8.5230



43.0586, 59.8018, 9.2751



13.2117, 13.1138, 14.3760



17.9118, 9.1658, 3.9158



1.1975, 0.6086, 0.4490

Previews

White Background



This preview shows how the XYZ color 14.6196, 8.7813, 67.9422 looks on a white background.

Color Contrast Check

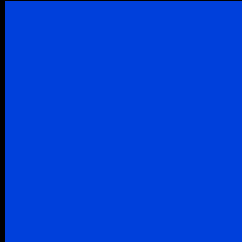
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 14.6196, 8.7813, 67.9422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

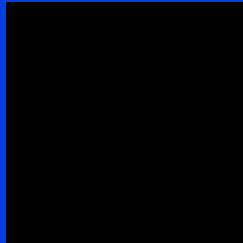
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.6196, 8.7813, 67.9422

Background



This preview shows how black text looks on a background with the XYZ color 14.6196, 8.7813, 67.9422.



This preview shows how white text looks on a background with the XYZ color 14.6196, 8.7813,

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

14.6196, 8.7813, 67.9422

Protanopia

10.0301, 8.6019, 38.6678

Deuteranopia

8.3618, 8.6692, 27.6182



Tritanopia

6.0720, 8.6918, 12.6669

Trichromacy



Original Color

14.6196, 8.7813, 67.9422

Protanomaly

11.4184, 8.4854, 48.0497

Deuteranomaly

10.0751, 8.3891, 39.6163

Tritanomaly

7.8250, 7.9577, 26.3229

Monochromacy



Original Color

14.6196, 8.7813, 67.9422

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

6.0427, 5.3622, 18.4858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6196, 8.7813, 67.9422 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, 64, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 64, 219)  
}
```

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, 64, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 64, 219) }
```

Border

The CSS property to change the border of an element to XYZ 14.6196, 8.7813, 67.9422 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, 64, 219) }
```


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

```
.border{ border-color:rgb(0, 64, 219) }
```

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

Here you see how a box with a 4 pixel rgb(0, 64, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 64, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 64, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 64, 219)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.6196, 8.7813, 67.9422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 64, 219) }
```

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

```
.background{ background-color: rgb(0, 64,  
219) }
```

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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