

Converting Colors

XYZ(16.6029, 14.5417, 62.8398)

Have a look what the booklet for
XYZ(16.6029, 14.5417, 62.8398)
contains.

XYZ(16.6332, 14.5796, 62.9102)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.6332, 14.5796,
62.9102)**

Conversions

Conversions Part 1

Format	Color
Hex	0468D2
RGB	4, 104, 210
RGB Percent	2%, 41%, 82%
CMY	0.9841, 0.5922, 0.1765
CMYK	0.98, 0.50, 0.00, 0.18
HSL	211°, 96%, 42%
HSV	211°, 98%, 82%
XYZ	16.6332, 14.5796, 62.9102
YIQ	86.1840, -93.6260, 11.7660

Conversions

Conversions Part 2

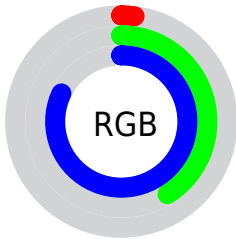
Format	Color
R_{YB}	4, 71, 210
Decimal	288978
CIE _{Lab}	45.05, 16.51, -61.31
CIE _{LCh}	45, 63.499, 285.073
Yxy	14.5796, 0.1767, 0.1549
Android (android.graphics.Color)	4278479058 (0xFF0468D2)
YUV	86.1840, 61.0413, -72.0754
Hunter-Lab	38.1832, 10.9366, -70.9571

Details

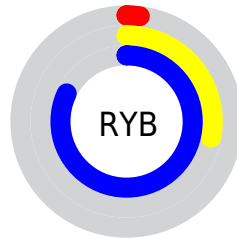
The XYZ color **16.6332, 14.5796, 62.9102** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **32.1814, 24.8721, 3.2208**, and the grayscale version is **8.7761, 9.2332, 10.0549**.

A 20% lighter version of the original color is **34.9724, 33.0979, 99.1530**, and **7.4295, 5.3927, 31.6597** is the 20% darker color. If you saturate the color by 10%, you get **16.3763, 14.1400, 62.8393**, and if you desaturate by 10%, it is **18.1439, 17.0783, 63.3132**.

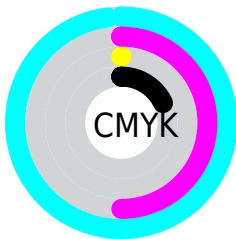
Distribution



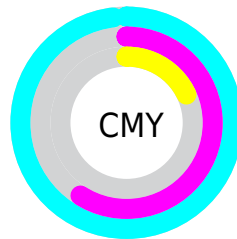
- Red (2%)
- Green (41%)
- Blue (82%)



- Red (2%)
- Yellow (28%)
- Blue (82%)



- Cyan (98%)
- Magenta (50%)
- Yellow (0%)
- Black (18%)



- Cyan (98%)
- Magenta (59%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6332, 14.5796, 62.9102 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 16.6332, 14.5796, 62.9102 by changing the saturation by 10% instead.

■ 16.6332, 14.5796,
62.9102

■ 16.6332, 14.5796,
62.9102

226.2473,
220.8073, 453.3425

■ 10.0670, 8.5249,
45.3280

■ 37.2427, 34.1140,
110.6243

■ 5.5060, 4.4326,
31.3711

■ 52.0167, 48.3624,
141.5933

■ 2.5849, 1.9184,
20.6207

■ 70.2573, 66.1109,
177.8616

■ 0.9383, 0.5594,
12.6585

■ 92.3299, 87.7437,
219.8478

■ 0.0000, 0.0000,
7.0659

■ 118.5998,
113.6454, 267.9705

■ 0.0000, 0.0000,
3.4243

149.4325,

■ 0.0000, 0.0000,

144.2003, 322.6481

1.3151

185.1932,
179.7928, 384.2993

■ 0.0000, 0.0000,
0.0741

■ 0.0000, 0.0000,
0.0000

■ 16.6332, 14.5796,
62.9102

■ 16.6332, 14.5796,
62.9102

■ 16.3763, 14.1400,
62.8393

■ 18.1439, 17.0783,
63.3132

■ 20.1736, 20.0589,
63.7816

■ 22.8148, 23.5763,
64.3213

■ 26.1317, 27.6701,
64.9367

■ 30.1790, 32.3750,
65.6315

■ 35.0057, 37.7225,
66.4093

■ 40.6560, 43.7412,
67.2732

■ 47.1705, 50.4579,
68.2263

■ 54.5873, 57.8976,
69.2714

Harmonies

Analogous

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



11.4308, 14.5796, 62.9577



16.6332, 14.5796, 62.9102



22.2420, 14.5796, 46.0332

Triad

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



16.6332, 14.5796, 62.9102



22.2172, 14.5796, 2.9851



6.2490, 14.5796, 9.5649

Complementary

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



16.6332, 14.5796, 62.9102



32.1814, 24.8721, 3.2208

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.



7.8995, 14.5796, 3.0021



16.6332, 14.5796, 62.9102



16.6053, 14.5796, 1.1521

Square

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



16.6332, 14.5796, 62.9102



25.9756, 14.5796, 9.5145



11.4091, 14.5796, 1.1554



6.2529, 14.5796, 24.5788

Rectangle

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



16.6332, 14.5796, 62.9102



25.0899, 14.5796, 31.3219



11.4091, 14.5796, 1.1554



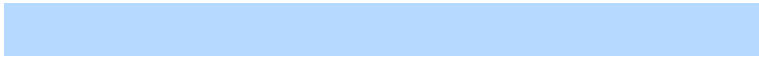
6.6061, 14.5796, 6.5842

Sweetspot

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



16.6339, 14.5800, 62.9106



61.9151, 66.6445, 104.2081



25.7524, 47.1815, 21.6658



12.4238, 13.3869, 22.1791



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.



16.6339, 14.5800, 62.9106



25.2274, 21.5748, 97.4425



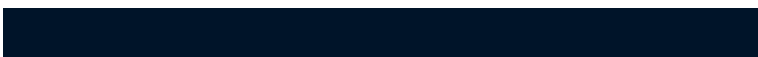
11.7274, 4.7671, 61.2751



11.6304, 12.3512, 15.0147



10.0891, 8.8249, 38.3641



0.6434, 0.6520, 2.1715

Inverse Universe

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



29.1211, 14.7890, 14.4165



44.8628, 22.7091, 21.0075



49.6474, 59.8040, 9.0428



12.0444, 11.9025, 13.5094



17.7233, 8.9621, 8.7148



1.0310, 0.5171, 0.6981

Previews

White Background



This preview shows how the XYZ color 16.6332, 14.5796, 62.9102 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 16.6332, 14.5796, 62.9102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

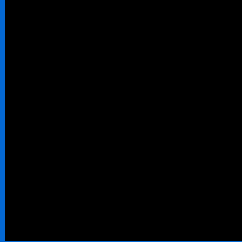
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6332, 14.5796, 62.9102

Background



This preview shows how black text looks on a background with the XYZ color 16.6332, 14.5796, 62.9102.



This preview shows how white text looks on a background with the XYZ color 16.6332, 14.5796,

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

16.6332, 14.5796, 62.9102

Protanopia

17.1105, 14.7057, 61.6112

Deuteranopia

14.6539, 14.6114, 50.1920



Tritanopia

10.2443, 14.4632, 21.9904

Trichromacy



Original Color

16.6332, 14.5796, 62.9102

Protanomaly

16.8109, 14.5370, 62.2415

Deuteranomaly

15.3483, 14.5531, 54.8234

Tritanomaly

12.0034, 14.2510, 34.0164

Monochromacy



Original Color

16.6332, 14.5796, 62.9102

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.6420, 10.3081, 22.9542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6332, 14.5796, 62.9102 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(4, 104, 210)` looks like.

```
.text, #text, p{  
    color:rgb(4, 104, 210)  
}
```

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(4, 104, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 104, 210) }
```

Border

The CSS property to change the border of an element to XYZ 16.6332, 14.5796, 62.9102 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(4, 104, 210) }
```


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

```
.border{ border-color:rgb(4, 104, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 104, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 104, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 104, 210);  
box-shadow:4px 4px 4px 4px rgb(4, 104,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6332, 14.5796, 62.9102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 104, 210) }
```

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

```
.background{ background-color: rgb(4, 104,  
210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor