

Converting Colors

XYZ(17.5571, 14.5931, 69.1165)

Have a look what the booklet for
XYZ(17.5571, 14.5931, 69.1165)
contains.

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Color

**XYZ(17.5376, 14.6172,
68.9149)**

Conversions

Conversions Part 1

Format	Color
Hex	0066DB
RGB	0, 102, 219
RGB Percent	0%, 40%, 86%
CMY	0.9998, 0.6000, 0.1412
CMYK	1.00, 0.53, 0.00, 0.14
HSL	212°, 100%, 43%
HSV	212°, 100%, 86%
XYZ	17.5376, 14.6172, 68.9149
YIQ	84.8400, -98.3490, 14.7630

Conversions

Conversions Part 2

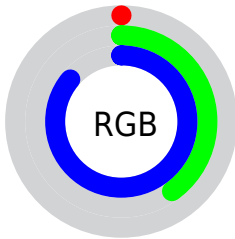
Format	Color
RYB	0, 70, 219
Decimal	26331
CIELab	45.11, 21.27, -66.36
CIELCh	45, 69.688, 287.768
Yxy	14.6172, 0.1735, 0.1446
Android (android.graphics.Color)	4278216411 (0xFF0066DB)
YUV	84.8400, 66.1409, -74.4047
Hunter-Lab	38.2324, 14.9729, -80.1089

Details

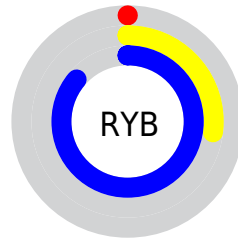
The XYZ color **17.5376, 14.6172, 68.9149** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **35.5823, 27.7970, 3.4917**, and the grayscale version is **8.4862, 8.9282, 9.7228**.

A 20% lighter version of the original color is **34.8718, 32.5600, 99.0545**, and **8.0740, 5.5706, 35.3000** is the 20% darker color. If you saturate the color by 10%, you get **17.5344, 14.6109, 68.9142**, and if you desaturate by 10%, it is **19.1001, 17.2523, 69.3416**.

Distribution



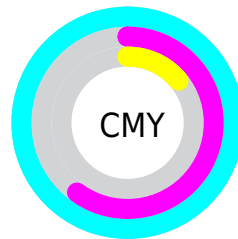
- Red (0%)
- Green (40%)
- Blue (86%)



- Red (0%)
- Yellow (27%)
- Blue (86%)



- Cyan (100%)
- Magenta (53%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (60%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5376, 14.6172, 68.9149 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 17.5376, 14.6172, 68.9149 by changing the saturation by 10% instead.

■ 17.5376, 14.6172,
68.9149

■ 17.5376, 14.6172,
68.9149

231.3480,
221.0374, 475.4166

■ 10.7162, 8.5512,
50.1711

■ 38.7841, 34.1802,
119.3266

■ 5.9422, 4.4496,
35.1772

■ 53.9399, 48.4460,
151.8315

■ 2.8503, 1.9281,
23.5148

■ 72.6046, 66.2138,
189.7606

■ 1.0751, 0.5652,
14.7652

■ 95.1434, 87.8681,
233.5323

■ 0.0041, 0.0000,
8.5100

■ 121.9218,
113.7932, 283.5652

■ 0.0000, 0.0000,
4.3306

153.3052,

■ 0.0000, 0.0000,

144.3735, 340.2779

1.8084

189.6588,
179.9934, 404.0888

■ 0.0000, 0.0000,
0.4335

■ 0.0000, 0.0000,
0.0000

■ 17.5376, 14.6172,
68.9149

■ 17.5376, 14.6172,
68.9149

■ 17.5344, 14.6109,
68.9142

■ 19.1001, 17.2523,
69.3416

■ 21.2041, 20.4172,
69.8416

■ 23.9781, 24.1869,
70.4230

■ 27.4965, 28.6084,
71.0910

■ 31.8225, 33.7223,
71.8500

■ 37.0121, 39.5653,
72.7043

■ 43.1157, 46.1708,
73.6576

■ 50.1796, 53.5699,
74.7135

■ 58.2469, 61.7918,
75.8753

Harmonies

Analogous

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



11.6853, 14.6172, 71.0339



17.5376, 14.6172, 68.9149



23.7627, 14.6172, 47.9794

Triad

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



17.5376, 14.6172, 68.9149



22.7016, 14.6172, 2.1141



5.6624, 14.6172, 10.1183

Complementary

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



17.5376, 14.6172, 68.9149



35.5823, 27.7970, 3.4917

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.



7.2231, 14.6172, 2.7269



17.5376, 14.6172, 68.9149



16.3630, 14.6172, 0.6755

Square

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



17.5376, 14.6172, 68.9149



27.2632, 14.6172, 8.0922



10.7923, 14.6172, 0.7973



5.8153, 14.6172, 27.6302

Rectangle

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



17.5376, 14.6172, 68.9149



26.8054, 14.6172, 31.1050



10.7923, 14.6172, 0.7973



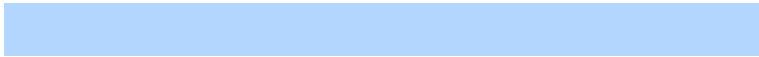
5.9812, 14.6172, 6.7073

Sweetspot

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



17.5383, 14.6176, 68.9153



60.6017, 64.8975, 103.9402



28.5332, 51.9440, 25.2991



12.1558, 13.0161, 22.1216



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.



17.5383, 14.6176, 68.9153



24.6146, 20.3493, 97.2382



12.8790, 5.1633, 67.3360



12.8359, 13.6116, 16.6029



10.5044, 8.8783, 40.8984



0.7662, 0.7465, 2.6782

Inverse Universe

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



31.6125, 16.0208, 13.9964



44.5535, 22.5854, 19.3788



52.3977, 64.6163, 9.7123



13.3070, 13.1519, 14.8782



18.7975, 9.5200, 8.5796



1.2610, 0.6341, 0.7836

Previews

White Background



This preview shows how the XYZ color 17.5376, 14.6172, 68.9149 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 17.5376, 14.6172, 68.9149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

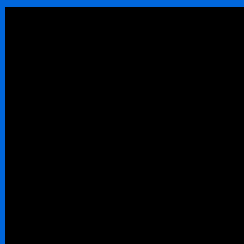
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

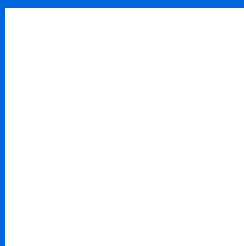
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.5376, 14.6172, 68.9149

Background



This preview shows how black text looks on a background with the XYZ color 17.5376, 14.6172, 68.9149.



This preview shows how white text looks on a background with the XYZ color 17.5376, 14.6172,

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

17.5376, 14.6172, 68.9149

Protanopia

17.4063, 14.5647, 68.2235

Deuteranopia

14.5457, 14.5681, 49.6222



Tritanopia

10.2443, 14.4632, 21.9904

Trichromacy



Original Color

17.5376, 14.6172, 68.9149

Protanomaly

17.4063, 14.5647, 68.2235

Deuteranomaly

15.4628, 14.4316, 56.0034

Tritanomaly

12.1393, 14.1264, 35.3446

Monochromacy



Original Color

17.5376, 14.6172, 68.9149

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.5655, 9.9877, 23.9779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5376, 14.6172, 68.9149 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, 102, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 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, 102, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 219) }
```

Border

The CSS property to change the border of an element to XYZ 17.5376, 14.6172, 68.9149 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, 102, 219) }
```


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

```
.border{ border-color:rgb(0, 102, 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, 102, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 102,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5376, 14.6172, 68.9149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 219) }
```

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

```
.background{ background-color: rgb(0, 102,  
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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