

Converting Colors

XYZ(17.4905, 16.5474, 62.6587)

Have a look what the booklet for
XYZ(17.4905, 16.5474, 62.6587)
contains.

XYZ(17.5259, 16.6381, 62.6094)	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(17.5259, 16.6381,
62.6094)**

Conversions

Conversions Part 1

Format	Color
Hex	0072D1
RGB	0, 114, 209
RGB Percent	0%, 45%, 82%
CMY	0.9998, 0.5529, 0.1804
CMYK	1.00, 0.45, 0.00, 0.18
HSL	207°, 100%, 41%
HSV	207°, 100%, 82%
XYZ	17.5259, 16.6381, 62.6094
YIQ	90.7440, -98.4390, 5.3770

Conversions

Conversions Part 2

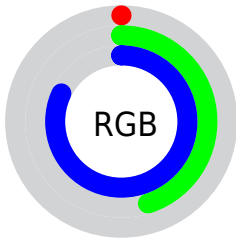
Format	Color
RYB	0, 74, 209
Decimal	29393
CIELab	47.80, 9.59, -56.31
CIELCh	48, 57.120, 279.660
Yxy	16.6381, 0.1811, 0.1719
Android (android.graphics.Color)	4278219473 (0xFF0072D1)
YUV	90.7440, 58.3002, -79.5825
Hunter-Lab	40.7898, 5.3127, -62.4529

Details

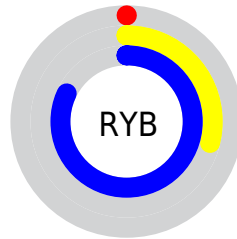
The XYZ color **17.5259, 16.6381, 62.6094** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **30.3910, 21.7476, 2.5972**, and the grayscale version is **9.7772, 10.2864, 11.2019**.

A 20% lighter version of the original color is **36.7607, 36.8396, 99.7810**, and **7.8399, 6.3474, 31.3838** is the 20% darker color. If you saturate the color by 10%, you get **17.5239, 16.6339, 62.6091**, and if you desaturate by 10%, it is **18.9622, 19.0533, 63.0003**.

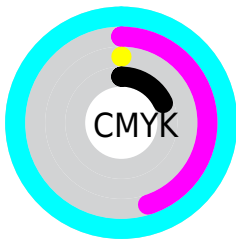
Distribution



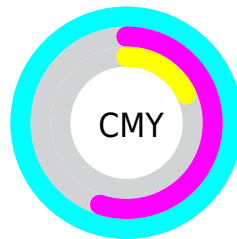
- Red (0%)
- Green (45%)
- Blue (82%)



- Red (0%)
- Yellow (29%)
- Blue (82%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (55%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5259, 16.6381, 62.6094 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 17.5259, 16.6381, 62.6094 by changing the saturation by 10% instead.

■ 17.5259, 16.6381,
62.6094

■ 17.5259, 16.6381,
62.6094

231.2827,
233.0781, 452.2194

■ 10.7078, 9.9768,
45.0863

■ 38.7642, 37.7025,
110.1859

■ 5.9365, 5.3836,
31.1820

■ 53.9152, 52.8744,
141.0765

■ 2.8468, 2.4740,
20.4778

■ 72.5744, 71.6519,
177.2599

■ 1.0733, 0.8636,
12.5553

■ 95.1073, 94.4195,
219.1547

■ 0.0026, 0.0000,
6.9960

■ 121.8792,
121.5615, 267.1796

■ 0.0000, 0.0000,
3.3812

153.2555,

■ 0.0000, 0.0000,

153.4623, 321.7529

1.2924

189.6015,
190.5064, 383.2934

■ 0.0000, 0.0000,
0.0556

■ 0.0000, 0.0000,
0.0000

■ 17.5259, 16.6381,
62.6094

■ 17.5259, 16.6381,
62.6094

■ 17.5239, 16.6339,
62.6091

■ 18.9622, 19.0533,
63.0003

■ 20.8453, 21.8688,
63.4445

■ 23.2908, 25.1489,
63.9487

■ 26.3626, 28.9311,
64.5168

■ 30.1151, 33.2477,
65.1522

■ 34.5963, 38.1274,
65.8579

■ 39.8492, 43.5966,
66.6367

■ 45.9135, 49.6794,
67.4912

■ 52.8259, 56.3988,
68.4239

Harmonies

Analogous

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



12.6302, 16.6381, 59.5530



17.5259, 16.6381, 62.6094



22.9738, 16.6381, 49.6845

Triad

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



17.5259, 16.6381, 62.6094



24.6778, 16.6381, 5.4142



8.2570, 16.6381, 9.9707

Complementary

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



17.5259, 16.6381, 62.6094



30.3910, 21.7476, 2.5972

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.



10.3217, 16.6381, 3.9178



17.5259, 16.6381, 62.6094



19.4924, 16.6381, 2.4473

Square

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



17.5259, 16.6381, 62.6094



27.6533, 16.6381, 13.7810



14.2174, 16.6381, 2.1065



7.9530, 16.6381, 23.2764

Rectangle

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



17.5259, 16.6381, 62.6094



25.9342, 16.6381, 36.4375



14.2174, 16.6381, 2.1065



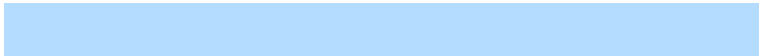
8.7429, 16.6381, 7.2729

Sweetspot

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



17.5266, 16.6386, 62.6099



62.1761, 68.0464, 104.4650



24.8249, 46.4110, 18.2569



12.5279, 13.7602, 22.2456



0.0000, 0.0000, 0.0000



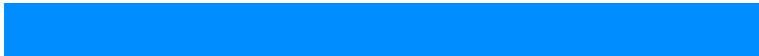
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.5266, 16.6386, 62.6099



27.2924, 25.7049, 98.1308



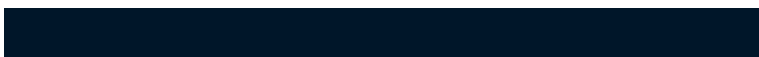
11.6232, 4.8316, 60.6420



11.6903, 12.4708, 15.0346



10.9044, 10.4554, 38.6359



0.6885, 0.7422, 2.1865

Inverse Universe

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



29.3325, 14.7713, 17.2250



45.9052, 23.1261, 26.4964



46.6156, 54.1968, 8.0054



12.0746, 11.9146, 13.6684



18.1348, 9.1267, 10.8818



1.0537, 0.5262, 0.8178

Previews

White Background



This preview shows how the XYZ color 17.5259, 16.6381, 62.6094 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 17.5259, 16.6381, 62.6094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

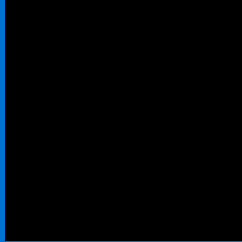
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.5259, 16.6381, 62.6094

Background



This preview shows how black text looks on a background with the XYZ color 17.5259, 16.6381, 62.6094.



This preview shows how white text looks on a background with the XYZ color 17.5259, 16.6381,

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

17.5259, 16.6381, 62.6094

Protanopia

18.8421, 16.7179, 59.9914

Deuteranopia

16.9102, 16.5733, 58.8076



Tritanopia

11.7639, 16.6429, 25.1466

Trichromacy



Original Color

17.5259, 16.6381, 62.6094

Protanomaly

17.7799, 16.3174, 60.6050

Deuteranomaly

17.1502, 16.6692, 60.0712

Tritanomaly

13.3926, 16.4923, 36.1957

Monochromacy



Original Color

17.5259, 16.6381, 62.6094

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.5098, 11.5445, 24.2286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5259, 16.6381, 62.6094 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, 114, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 209)  
}
```

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, 114, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 209) }
```

Border

The CSS property to change the border of an element to XYZ 17.5259, 16.6381, 62.6094 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, 114, 209) }
```


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

```
.border{ border-color:rgb(0, 114, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 114, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 114,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5259, 16.6381, 62.6094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 114, 209) }
```

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

```
.background{ background-color: rgb(0, 114,  
209) }
```

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