

Converting Colors

XYZ(18.0555, 17.0789, 62.7315)

Have a look what the booklet for
XYZ(18.0555, 17.0789, 62.7315)
contains.

XYZ(18.0403, 17.0716, 62.6659)	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>	30

Color

**XYZ(18.0403, 17.0716,
62.6659)**

Conversions

Conversions Part 1

Format	Color
Hex	1973D1
RGB	25, 115, 209
RGB Percent	10%, 45%, 82%
CMY	0.9019, 0.5490, 0.1804
CMYK	0.88, 0.45, 0.00, 0.18
HSL	211°, 79%, 46%
HSV	211°, 88%, 82%
XYZ	18.0403, 17.0716, 62.6659
YIQ	98.8060, -83.8140, 10.1540

Conversions

Conversions Part 2

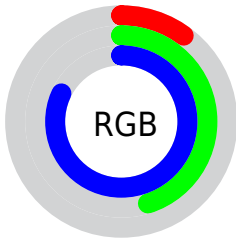
Format	Color
R _Y B	25, 85, 209
Decimal	1668049
CIE Lab	48.35, 9.97, -55.41
CIE LCh	48, 56.304, 280.204
Yxy	17.0716, 0.1845, 0.1746
Android (android.graphics.Color)	4279858129 (0xFF1973D1)
YUV	98.8060, 54.3256, -64.7279
Hunter-Lab	41.3178, 5.6311, -61.0015

Details

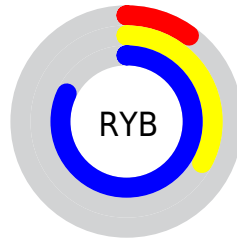
The XYZ color **18.0403, 17.0716, 62.6659** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **33.0704, 26.8257, 4.3561**, and the grayscale version is **11.6961, 12.3052, 13.4004**.

A 20% lighter version of the original color is **37.6301, 37.5566, 99.8736**, and **7.8999, 6.4673, 31.4038** is the 20% darker color. If you saturate the color by 10%, you get **16.5431, 14.5957, 62.2673**, and if you desaturate by 10%, it is **20.0520, 20.0224, 63.1298**.

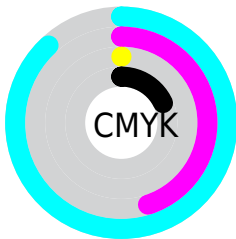
Distribution



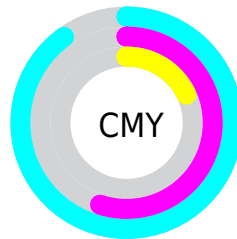
- Red (10%)
- Green (45%)
- Blue (82%)



- Red (10%)
- Yellow (33%)
- Blue (82%)



- Cyan (88%)
- Magenta (45%)
- Yellow (0%)
- Black (18%)



- Cyan (90%)
- Magenta (55%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0403, 17.0716, 62.6659 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 18.0403, 17.0716, 62.6659 by changing the saturation by 10% instead.

■ 18.0403, 17.0716,
62.6659

■ 18.0403, 17.0716,
62.6659

234.1393,
235.5847, 452.4305

■ 11.0788, 10.2856,
45.1317

■ 39.6355, 38.4488,
110.2683

■ 6.1875, 5.5887,
31.2175

■ 55.0000, 53.8088,
141.1736

■ 3.0012, 2.5966,
20.5047

■ 73.8961, 72.7956,
177.3729

■ 1.1544, 0.9250,
12.5747

■ 96.6892, 95.7935,
219.2850

■ 0.0699, 0.0000,
7.0091

■ 123.7447,
123.1870, 267.3282

■ 0.0000, 0.0000,
3.3892

155.4280,

■ 0.0000, 0.0000,

155.3604, 321.9212

1.2967

192.1044,
192.6981, 383.4824

■ 0.0000, 0.0000,
0.0590

■ 0.0000, 0.0000,
0.0000

■ 18.0403, 17.0716,
62.6659

■ 18.0403, 17.0716,
62.6659

■ 16.5431, 14.5957,
62.2673

■ 20.0520, 20.0224,
63.1298

■ 16.2811, 14.1482,
62.1948

■ 22.6662, 23.5000,
63.6633

■ 25.9468, 27.5437,
64.2709

■ 29.9479, 32.1878,
64.9564

■ 34.7177, 37.4630,
65.7232

■ 40.2998, 43.3975,
66.5745

■ 46.7343, 50.0176,
67.5132

■ 54.0586, 57.3478,
68.5420

■ 62.3075, 65.4114,
69.6637

Harmonies

Analogous

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



13.1044, 17.0716, 59.9525



18.0403, 17.0716, 62.6659



23.4768, 17.0716, 49.6608

Triad

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



18.0403, 17.0716, 62.6659



25.0033, 17.0716, 5.6513



8.5914, 17.0716, 10.5569

Complementary

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



18.0403, 17.0716, 62.6659



33.0704, 26.8257, 4.3561

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.



10.6468, 17.0716, 4.2694



18.0403, 17.0716, 62.6659



19.8078, 17.0716, 2.6517

Square

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



18.0403, 17.0716, 62.6659



28.0232, 17.0716, 14.0119



14.5377, 17.0716, 2.3312



8.3146, 17.0716, 24.0657

Rectangle

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



18.0403, 17.0716, 62.6659



26.4002, 17.0716, 36.4943



14.5377, 17.0716, 2.3312



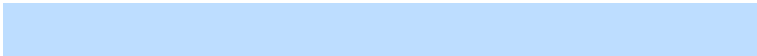
9.0729, 17.0716, 7.7740

Sweetspot

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



18.0411, 17.0721, 62.6664



64.8513, 69.7792, 104.6584



26.4139, 47.0929, 24.5315



13.1751, 14.1980, 22.2960



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.



18.0411, 17.0721, 62.6664



25.3469, 21.8139, 97.4823



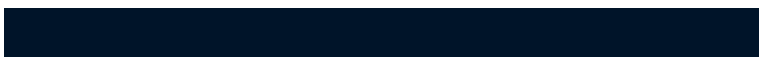
12.2585, 5.5069, 60.7388



11.6342, 12.3586, 15.0159



10.1365, 8.9196, 38.3799



0.6461, 0.6574, 2.1724

Inverse Universe

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



29.7374, 15.4896, 17.6423



44.9232, 22.7333, 21.3252



49.2710, 59.2269, 9.7563



12.0462, 11.9032, 13.5193



17.7472, 8.9717, 8.8407



1.0323, 0.5177, 0.7052

Previews

White Background



This preview shows how the XYZ color 18.0403, 17.0716, 62.6659 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 18.0403, 17.0716, 62.6659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

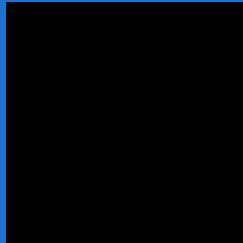
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.0403, 17.0716, 62.6659

Background



This preview shows how black text looks on a background with the XYZ color 18.0403, 17.0716, 62.6659.



This preview shows how white text looks on a background with the XYZ color 18.0403, 17.0716,

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

18.0403, 17.0716, 62.6659

Protanopia

19.1581, 17.0419, 60.0373

Tritanopia

12.0333, 16.9563, 25.9312

Trichromacy



Original Color

18.0403, 17.0716, 62.6659

Protanomaly

18.4029, 16.8015, 60.6656

Tritanomaly

13.8065, 16.8683, 37.1786

Monochromacy



Original Color

18.0403, 17.0716, 62.6659

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.3843, 13.3449, 26.3492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0403, 17.0716, 62.6659 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(25, 115, 209)` looks like.

```
.text, #text, p{  
    color:rgb(25, 115, 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(25, 115, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 115, 209) }
```

Border

The CSS property to change the border of an element to XYZ 18.0403, 17.0716, 62.6659 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(25, 115, 209) }
```

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

```
.border{ border-color:rgb(25, 115, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 115, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 115, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 115, 209);  
box-shadow:4px 4px 4px 4px rgb(25, 115,  
209) }
```


Background

The CSS property to change the background color of an element to XYZ 18.0403, 17.0716, 62.6659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 115, 209) }
```

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

```
.background{ background-color: rgb(25, 115,  
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](#).

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