

Converting Colors

XYZ(17.2591, 17.6500, 57.7555)

Have a look what the booklet for
XYZ(17.2591, 17.6500, 57.7555)
contains.

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Color

**XYZ(17.2591, 17.6500,
57.7555)**

Conversions

Conversions Part 1

Format	Color
Hex	0078C9
RGB	0, 120, 201
RGB Percent	0%, 47%, 79%
CMY	0.9998, 0.5294, 0.2118
CMYK	1.00, 0.40, 0.00, 0.21
HSL	204°, 100%, 39%
HSV	204°, 100%, 79%
XYZ	17.2591, 17.6500, 57.7555
YIQ	93.3540, -97.5210, -0.2490

Conversions

Conversions Part 2

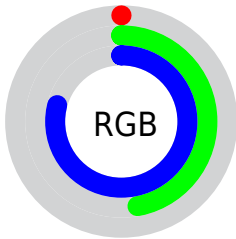
Format	Color
RYB	0, 75, 201
Decimal	30921
CIELab	49.07, 2.67, -49.71
CIElCh	49, 49.782, 273.072
Yxy	17.6500, 0.1863, 0.1905
Android (android.graphics.Color)	4278221001 (0xFF0078C9)
YUV	93.3540, 53.0695, -81.8715
Hunter-Lab	42.0119, -0.1904, -52.1001

Details

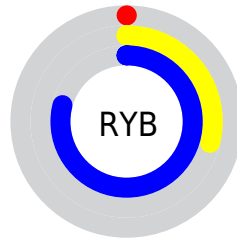
The XYZ color **17.2591, 17.6500, 57.7555** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **27.0336, 18.3092, 2.1105**, and the grayscale version is **10.3866, 10.9276, 11.9001**.

A 20% lighter version of the original color is **37.8395, 39.3217, 100.2032**, and **7.5057, 6.7101, 28.0937** is the 20% darker color. If you saturate the color by 10%, you get **17.2571, 17.6459, 57.7552**, and if you desaturate by 10%, it is **18.5667, 19.8325, 58.1082**.

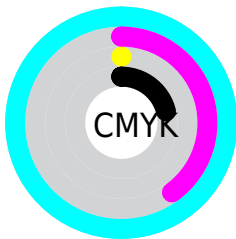
Distribution



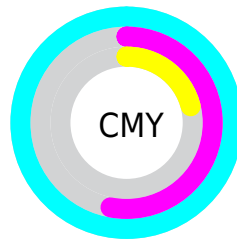
- Red (0%)
- Green (47%)
- Blue (79%)



- Red (0%)
- Yellow (29%)
- Blue (79%)



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (21%)



- Cyan (100%)
- Magenta (53%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2591, 17.6500, 57.7555 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 17.2591, 17.6500, 57.7555 by changing the saturation by 10% instead.

■ 17.2591, 17.6500,
57.7555

■ 17.2591, 17.6500,
57.7555

229.7883,
238.8908, 433.8470

■ 10.5158, 10.6990,
41.1987

■ 38.3108, 39.4400,
103.0780

■ 5.8072, 5.8648,
28.1535

■ 53.3499, 55.0478,
132.6808

■ 2.7677, 2.7631,
18.2014

■ 71.8851, 74.3100,
167.4693

■ 1.0322, 1.0093,
10.9237

■ 94.2816, 97.6110,
207.8621

■ 0.0000, 0.0000,
5.9020

■ 120.9048,
125.3352, 254.2777

■ 0.0000, 0.0000,
2.7178

■ 152.1201,

■ 0.0000, 0.0000,

157.8670, 307.1348

0.9524

188.2928,
195.5907, 366.8517

■ 0.0000, 0.0000,
0.0000

■ 17.2591, 17.6500,
57.7555

■ 17.2591, 17.6500,
57.7555

■ 17.2571, 17.6459,
57.7552

■ 18.5667, 19.8325,
58.1082

■ 20.2603, 22.3391,
58.5028

■ 22.4468, 25.2280,
58.9452

■ 25.1833, 28.5312,
59.4385

■ 28.5181, 32.2764,
59.9857

■ 32.4941, 36.4881,
60.5891

■ 37.1496, 41.1887,
61.2510

■ 42.5199, 46.3988,
61.9736

■ 48.6376, 52.1375,
62.7588

Harmonies

Analogous

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



13.0469, 17.6500, 52.2410



17.2591, 17.6500, 57.7555



22.1378, 17.6500, 49.6157

Triad

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



17.2591, 17.6500, 57.7555



25.4300, 17.6500, 8.3650



10.0053, 17.6500, 9.8044

Complementary

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



17.2591, 17.6500, 57.7555



27.0336, 18.3092, 2.1105

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.



12.3581, 17.6500, 4.7633



17.2591, 17.6500, 57.7555



21.1551, 17.6500, 4.2425

Square

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



17.2591, 17.6500, 57.7555



27.3702, 17.6500, 17.8791



16.3016, 17.6500, 3.3192



9.3434, 17.6500, 20.6218

Rectangle

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



17.2591, 17.6500, 57.7555



24.9778, 17.6500, 39.0503



16.3016, 17.6500, 3.3192



10.6002, 17.6500, 7.5810

Sweetspot

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



17.2598, 17.6505, 57.7560



63.2250, 70.1442, 104.8146



22.3512, 42.3594, 14.6706



12.7770, 14.2584, 22.3287



0.0000, 0.0000, 0.0000



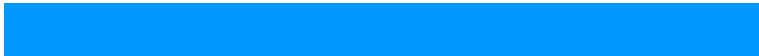
20.3446, 21.4041, 23.3091

Same Dimension

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



17.2598, 17.6505, 57.7560



29.3134, 29.7468, 98.8045



10.7959, 4.7227, 55.6013



10.5743, 11.3226, 13.5456



10.9423, 11.2785, 36.3446



0.5878, 0.6734, 1.7441

Inverse Universe

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



27.4783, 13.7747, 18.9801



46.9252, 23.5341, 31.8681



40.5924, 45.4269, 6.6301



10.8951, 10.7414, 12.4310



17.3225, 8.6786, 12.1740



0.8554, 0.4250, 0.7616

Previews

White Background



This preview shows how the XYZ color 17.2591, 17.6500, 57.7555 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 17.2591, 17.6500, 57.7555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

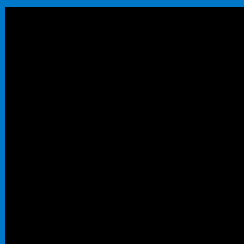
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.2591, 17.6500, 57.7555

Background



This preview shows how black text looks on a background with the XYZ color 17.2591, 17.6500, 57.7555.



This preview shows how white text looks on a background with the XYZ color 17.2591, 17.6500,

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

17.2591, 17.6500, 57.7555

Protanopia

19.2351, 17.5442, 54.0023

Deuteranopia

18.3580, 17.8495, 58.3548



Tritanopia

12.4377, 17.5355, 26.7739

Trichromacy



Original Color

17.2591, 17.6500, 57.7555

Protanomaly

17.7396, 17.2521, 55.2183

Deuteranomaly

17.8226, 17.7492, 58.3637

Tritanomaly

13.8939, 17.4949, 36.3628

Monochromacy



Original Color

17.2591, 17.6500, 57.7555

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.8187, 12.2962, 23.6330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2591, 17.6500, 57.7555 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, 120, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 201)  
}
```

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, 120, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 201) }
```

Border

The CSS property to change the border of an element to XYZ 17.2591, 17.6500, 57.7555 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, 120, 201) }
```


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

```
.border{ border-color:rgb(0, 120, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 120, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 120,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2591, 17.6500, 57.7555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 201) }
```

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

```
.background{ background-color: rgb(0, 120,  
201) }
```

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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