

Converting Colors

XYZ(17.4359, 17.6985, 56.5304)

Have a look what the booklet for
XYZ(17.4359, 17.6985, 56.5304)
contains.

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Color

**XYZ(17.4773, 17.7895,
56.5454)**

Conversions

Conversions Part 1

Format	Color
Hex	1B78C7
RGB	27, 120, 199
RGB Percent	11%, 47%, 78%
CMY	0.8940, 0.5294, 0.2196
CMYK	0.86, 0.40, 0.00, 0.22
HSL	208°, 76%, 44%
HSV	208°, 86%, 78%
XYZ	17.4773, 17.7895, 56.5454
YIQ	101.1990, -80.7870, 4.8530

Conversions

Conversions Part 2

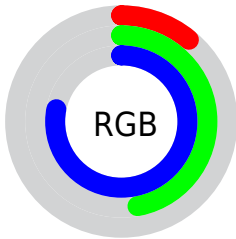
Format	Color
R_{YB}	27, 87, 199
Decimal	1800391
CIE Lab	49.24, 3.12, -48.28
CIE LCh	49, 48.377, 273.697
Yxy	17.7895, 0.1904, 0.1938
Android (android.graphics.Color)	4279990471 (0xFF1B78C7)
YUV	101.1990, 48.2159, -65.0725
Hunter-Lab	42.1776, 0.1550, -49.9628

Details

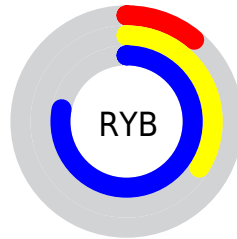
The XYZ color **17.4773, 17.7895, 56.5454** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **28.9076, 22.5338, 3.8641**, and the grayscale version is **12.3172, 12.9586, 14.1119**.

A 20% lighter version of the original color is **38.5114, 39.6681, 100.2347**, and **7.3514, 6.6483, 27.2814** is the 20% darker color. If you saturate the color by 10%, you get **16.0672, 15.5078, 56.1797**, and if you desaturate by 10%, it is **19.3466, 20.4640, 56.9635**.

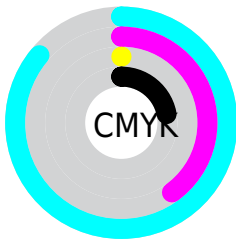
Distribution



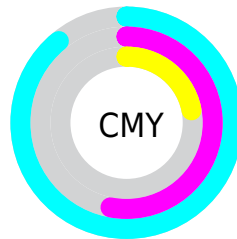
- Red (11%)
- Green (47%)
- Blue (78%)



- Red (11%)
- Yellow (34%)
- Blue (78%)



- Cyan (86%)
- Magenta (40%)
- Yellow (0%)
- Black (22%)



- Cyan (89%)
- Magenta (53%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4773, 17.7895, 56.5454 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 17.4773, 17.7895, 56.5454 by changing the saturation by 10% instead.

■ 17.4773, 17.7895,
56.5454

■ 17.4773, 17.7895,
56.5454

231.0111,
239.6819, 429.1896

■ 10.6728, 10.7990,
40.2334

■ 38.6817, 39.6783,
101.2953

■ 5.9129, 5.9318,
27.4054

■ 53.8123, 55.3454,
130.5703

■ 2.8324, 2.8037,
17.6428

■ 72.4490, 74.6734,
165.0035

■ 1.0657, 1.0301,
10.5271

■ 94.9572, 98.0468,
205.0132

■ 0.0000, 0.0000,
5.6397

■ 121.7021,
125.8500, 251.0182

■ 0.0000, 0.0000,
2.5620

153.0491,

■ 0.0000, 0.0000,

158.4672, 303.4369

0.8727

189.3637,
196.2831, 362.6878

■ 0.0000, 0.0000,
0.0000

■ 17.4773, 17.7895,
56.5454

■ 17.4773, 17.7895,
56.5454

■ 16.0672, 15.5078,
56.1797

■ 19.3466, 20.4640,
56.9635

■ 15.6282, 14.7621,
56.0589

■ 21.7406, 23.5689,
57.4366

■ 24.7133, 27.1362,
57.9685

■ 28.3105, 31.1932,
58.5620

■ 32.5732, 35.7650,
59.2198

■ 37.5385, 40.8742,
59.9443

■ 43.2406, 46.5420,
60.7377

■ 49.7114, 52.7882,
61.6023

■ 56.9808, 59.6316,
62.5401

Harmonies

Analogous

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



13.3288, 17.7895, 51.5226



17.4773, 17.7895, 56.5454



22.2266, 17.7895, 48.4906

Triad

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



17.4773, 17.7895, 56.5454



25.2575, 17.7895, 8.5495



10.2299, 17.7895, 10.2717

Complementary

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



17.4773, 17.7895, 56.5454



28.9076, 22.5338, 3.8641

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.



12.5143, 17.7895, 5.1295



17.4773, 17.7895, 56.5454



21.0776, 17.7895, 4.4933

Square

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



17.4773, 17.7895, 56.5454



27.1973, 17.7895, 17.8026



16.3520, 17.7895, 3.6024



9.6095, 17.7895, 21.0262

Rectangle

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



17.4773, 17.7895, 56.5454



24.9611, 17.7895, 38.2542



16.3520, 17.7895, 3.6024



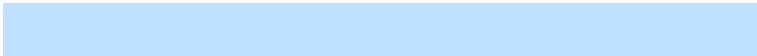
10.8057, 17.7895, 8.0209

Sweetspot

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



17.4780, 17.7900, 56.5459



65.7642, 71.6051, 104.9628



23.3958, 42.0883, 20.0975



13.3910, 14.6297, 22.3680



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.



17.4780, 17.7900, 56.5459



27.1190, 25.3580, 98.0730



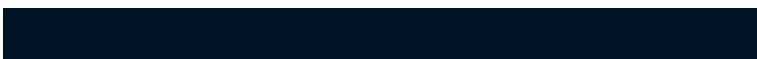
11.3809, 5.5958, 54.5135



10.5237, 11.2215, 13.5288



10.1377, 9.6693, 36.0764



0.5519, 0.6015, 1.7322

Inverse Universe

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



27.3360, 14.2831, 19.0858



45.8176, 23.0910, 26.0354



42.2520, 49.2226, 8.3122



10.8696, 10.7312, 12.2967



16.9164, 8.5161, 10.0354



0.8373, 0.4177, 0.6662

Previews

White Background



This preview shows how the XYZ color 17.4773, 17.7895, 56.5454 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 17.4773, 17.7895, 56.5454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

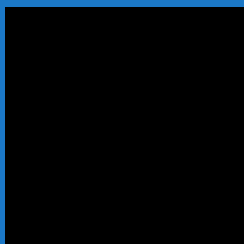
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.4773, 17.7895, 56.5454

Background



This preview shows how black text looks on a background with the XYZ color 17.4773, 17.7895, 56.5454.



This preview shows how white text looks on a background with the XYZ color 17.4773, 17.7895,

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

17.4773, 17.7895, 56.5454

Protanopia

19.2991, 17.7697, 52.8648

Deuteranopia

18.3720, 17.8839, 57.1272



Tritanopia

12.5105, 17.5646, 27.1570

Trichromacy



Original Color

17.4773, 17.7895, 56.5454

Protanomaly

18.1456, 17.4877, 54.0488

Deuteranomaly

18.0609, 17.8993, 57.1466

Tritanomaly

14.0191, 17.5594, 36.3686

Monochromacy



Original Color

17.4773, 17.7895, 56.5454

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.7020, 13.9871, 25.6972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4773, 17.7895, 56.5454 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(27, 120, 199)` looks like.

```
.text, #text, p{  
    color:rgb(27, 120, 199)  
}
```

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(27, 120, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 120, 199) }
```

Border

The CSS property to change the border of an element to XYZ 17.4773, 17.7895, 56.5454 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(27, 120, 199) }
```


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

```
.border{ border-color:rgb(27, 120, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 120, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 120, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 120, 199);  
box-shadow:4px 4px 4px 4px rgb(27, 120,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4773, 17.7895, 56.5454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 120, 199) }
```

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

```
.background{ background-color: rgb(27, 120,  
199) }
```

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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