

Converting Colors

XYZ(11.2071, 15.6004, 44.0214)

Have a look what the booklet for
XYZ(11.2071, 15.6004, 44.0214)
contains.

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Color

**XYZ(15.1435, 17.5896,
44.1920)**

Conversions

Conversions Part 1

Format	Color
Hex	007CB1
RGB	0, 124, 177
RGB Percent	0%, 49%, 69%
CMY	0.9998, 0.5137, 0.3059
CMYK	1.00, 0.30, 0.00, 0.31
HSL	198°, 100%, 35%
HSV	198°, 100%, 69%
XYZ	15.1435, 17.5896, 44.1920
YIQ	92.9660, -90.9170, -9.8050

Conversions

Conversions Part 2

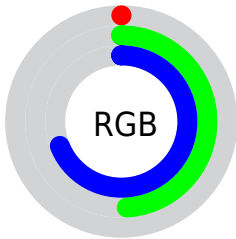
Format	Color
RYB	0, 73, 177
Decimal	31921
CIELab	48.99, -9.09, -36.02
CIELCh	49, 37.148, 255.838
Yxy	17.5896, 0.1969, 0.2287
Android (android.graphics.Color)	4278222001 (0xFF007CB1)
YUV	92.9660, 41.4288, -81.5312
Hunter-Lab	41.9400, -8.9429, -33.1157

Details

The XYZ color **15.1435, 17.5896, 44.1920** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **19.4067, 11.8970, 1.2746**, and the grayscale version is **10.3211, 10.8586, 11.8250**.

A 20% lighter version of the original color is **34.6469, 39.2092, 82.8328**, and **6.1542, 6.4874, 19.9966** is the 20% darker color. If you saturate the color by 10%, you get **15.1422, 17.5871, 44.1920**, and if you desaturate by 10%, it is **16.0706, 19.0807, 44.4313**.

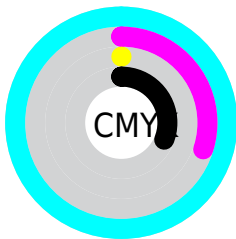
Distribution



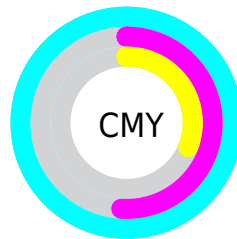
- Red (0%)
- Green (49%)
- Blue (69%)



- Red (0%)
- Yellow (29%)
- Blue (69%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (51%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1435, 17.5896, 44.1920 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 15.1435, 17.5896, 44.1920 by changing the saturation by 10% instead.

■ 15.1435, 17.5896,
44.1920

■ 15.1435, 17.5896,
44.1920

217.6043,
238.5475, 379.5555

■ 9.0071, 10.6557,
30.4832

■ 34.6743, 39.3368,
82.8121

■ 4.8030, 5.8359,
19.9505

■ 48.7995, 54.9189,
108.5605

■ 2.1657, 2.7455,
12.1753

■ 66.3183, 74.1525,
139.1592

■ 0.7246, 1.0004,
6.7392

■ 87.5961, 97.4221,
175.0267

■ 0.0000, 0.0000,
3.2236

■ 112.9982,
125.1120, 216.5815

■ 0.0000, 0.0000,
1.2099

■ 142.8901,

■ 0.0000, 0.0000,

157.6066, 264.2422

0.0000

177.6370,
195.2903, 318.4273

■ 15.1435, 17.5896,
44.1920

■ 15.1435, 17.5896,
44.1920

■ 15.1422, 17.5871,
44.1920

■ 16.0706, 19.0807,
44.4313

■ 17.2527, 20.7569,
44.6925

■ 18.7755, 22.6632,
44.9803

■ 20.6794, 24.8215,
45.2965

■ 22.9990, 27.2502,
45.6430

■ 25.7644, 29.9657,
46.0214

■ 29.0031, 32.9827,
46.4331

■ 32.7402, 36.3150,
46.8793

■ 36.9989, 39.9752,
47.3613

Harmonies

Analogous

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



12.4999, 17.5896, 36.3227



15.1435, 17.5896, 44.1920



18.6000, 17.5896, 43.9405

Triad

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



15.1435, 17.5896, 44.1920



23.9673, 17.5896, 14.4099



12.3869, 17.5896, 8.7112

Complementary

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



15.1435, 17.5896, 44.1920



19.4067, 11.8970, 1.2746

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.



14.9682, 17.5896, 6.0509



15.1435, 17.5896, 44.1920



21.7929, 17.5896, 8.4802

Square

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



15.1435, 17.5896, 44.1920



24.0314, 17.5896, 24.2001



18.3988, 17.5896, 5.9842



11.0635, 17.5896, 14.8599

Rectangle

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



15.1435, 17.5896, 44.1920



20.9224, 17.5896, 39.1139



18.3988, 17.5896, 5.9842



13.1190, 17.5896, 7.4892

Sweetspot

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



15.1442, 17.5902, 44.1925



51.6112, 58.7678, 83.1184



16.3023, 31.6767, 8.2927



10.6498, 12.2429, 17.9462



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



15.1442, 17.5902, 44.1925



26.9167, 31.0930, 79.0782



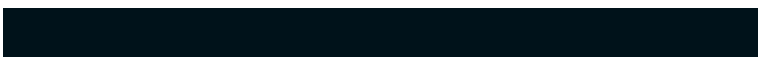
8.6417, 4.5853, 42.0250



8.5235, 9.1932, 10.8316



11.0259, 12.8522, 32.0366



0.3950, 0.5005, 1.0240

Inverse Universe

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



21.7702, 10.8033, 20.0070



38.8852, 19.3053, 35.2867



27.3152, 27.7139, 3.9108



8.7394, 8.6025, 10.1263



15.8000, 7.8376, 14.6388



0.5214, 0.2563, 0.5884

Previews

White Background



This preview shows how the XYZ color 15.1435, 17.5896, 44.1920 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 15.1435, 17.5896, 44.1920 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 15.1435, 17.5896, 44.1920

Background



This preview shows how black text looks on a background with the XYZ color 15.1435, 17.5896, 44.1920.

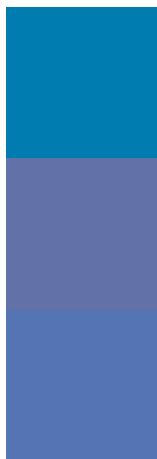


This preview shows how white text looks on a background with the XYZ color 15.1435, 17.5896,

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

15.1435, 17.5896, 44.1920

Protanopia

18.2157, 17.4959, 39.9531

Deuteranopia

18.0382, 17.6303, 45.1001

Trichromacy



Original Color

15.1435, 17.5896, 44.1920

Protanomaly

15.9114, 16.9596, 41.4646

Deuteranomaly

16.1009, 17.1649, 44.5840

Monochromacy



Original Color

15.1435, 17.5896, 44.1920

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.3920, 12.2857, 20.8924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1435, 17.5896, 44.1920 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, 124, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 124, 177)  
}
```

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, 124, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 124, 177) }
```

Border

The CSS property to change the border of an element to XYZ 15.1435, 17.5896, 44.1920 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, 124, 177) }
```

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

```
.border{ border-color:rgb(0, 124, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 124, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 124, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 124, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 124,  
177) }
```


Background

The CSS property to change the background color of an element to XYZ 15.1435, 17.5896, 44.1920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 124, 177) }
```

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

```
.background{ background-color: rgb(0, 124,  
177) }
```

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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