

Converting Colors

XYZ(15.5579, 17.7629, 46.3516)

Have a look what the booklet for
XYZ(15.5579, 17.7629, 46.3516)
contains.

XYZ(15.5481, 17.7515, 46.3230)	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(15.5481, 17.7515,
46.3230)**

Conversions

Conversions Part 1

Format	Color
Hex	007CB5
RGB	0, 124, 181
RGB Percent	0%, 49%, 71%
CMY	0.9999, 0.5137, 0.2902
CMYK	1.00, 0.31, 0.00, 0.29
HSL	199°, 100%, 35%
HSV	199°, 100%, 71%
XYZ	15.5481, 17.7515, 46.3230
YIQ	93.4220, -92.2010, -8.5610

Conversions

Conversions Part 2

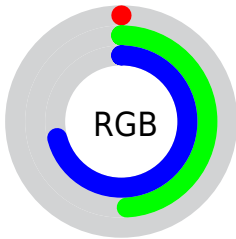
Format	Color
RYB	0, 74, 181
Decimal	31925
CIELab	49.19, -7.55, -38.02
CIELCh	49, 38.762, 258.764
Yxy	17.7515, 0.1953, 0.2229
Android (android.graphics.Color)	4278222005 (0xFF007CB5)
YUV	93.4220, 43.1760, -81.9311
Hunter-Lab	42.1325, -7.8604, -35.6942

Details

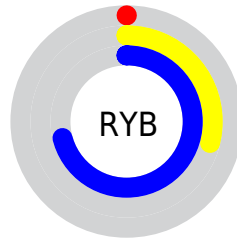
The XYZ color **15.5481, 17.7515, 46.3230** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **20.5210, 12.7531, 1.3809**, and the grayscale version is **10.4230, 10.9658, 11.9418**.

A 20% lighter version of the original color is **35.3256, 39.4922, 85.8817**, and **6.4807, 6.7274, 21.3790** is the 20% darker color. If you saturate the color by 10%, you get **15.5472, 17.7495, 46.3230**, and if you desaturate by 10%, it is **16.5356, 19.3523, 46.5803**.

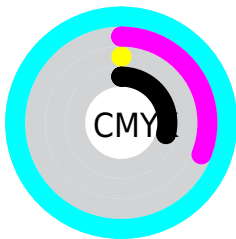
Distribution



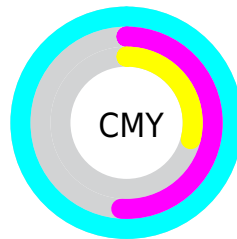
- Red (0%)
- Green (49%)
- Blue (71%)



- Red (0%)
- Yellow (29%)
- Blue (71%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (51%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5481, 17.7515, 46.3230 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 15.5481, 17.7515, 46.3230 by changing the saturation by 10% instead.

■ 15.5481, 17.7515,
46.3230

■ 15.5481, 17.7515,
46.3230

■ 219.9834,
239.4666, 388.4209

■ 9.2938, 10.7717,
32.1503

■ 35.3757, 39.6134,
86.0416

■ 4.9919, 5.9136,
21.2105

■ 49.6797, 55.2644,
112.4245

■ 2.2772, 2.7926,
13.0852

■ 67.3976, 74.5745,
143.7145

■ 0.7830, 1.0244,
7.3559

■ 88.8948, 97.9282,
180.3303

■ 0.0000, 0.0000,
3.6038

■ 114.5366,
125.7099, 222.6903

■ 0.0000, 0.0000,
1.4106

■ 144.6884,

■ 0.0000, 0.0000,

158.3039, 271.2130

0.1500

179.7155,
196.0947, 326.3170

■ 0.0000, 0.0000,
0.0000

■ 15.5481, 17.7515,
46.3230

■ 15.5481, 17.7515,
46.3230

■ 15.5472, 17.7495,
46.3230

■ 16.5356, 19.3523,
46.5803

■ 17.7965, 21.1561,
46.8620

■ 19.4199, 23.2101,
47.1729

■ 21.4487, 25.5374,
47.5152

■ 23.9193, 28.1576,
47.8908

■ 26.8641, 31.0884,
48.3012

■ 30.3119, 34.3455,
48.7482

■ 34.2893, 37.9435,
49.2331

■ 38.8210, 41.8960,
49.7571

Harmonies

Analogous

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



12.6758, 17.7515, 38.6022



15.5481, 17.7515, 46.3230



19.2194, 17.7515, 45.1166

Triad

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



15.5481, 17.7515, 46.3230



24.3843, 17.7515, 13.5832



12.1475, 17.7515, 8.9169

Complementary

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



15.5481, 17.7515, 46.3230



20.5210, 12.7531, 1.3809

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.



14.7245, 17.7515, 5.9043



15.5481, 17.7515, 46.3230



21.9057, 17.7515, 7.8537

Square

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



15.5481, 17.7515, 46.3230



24.6888, 17.7515, 23.4921



18.2696, 17.7515, 5.6014



10.9088, 17.7515, 15.6882

Rectangle

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



15.5481, 17.7515, 46.3230



21.6323, 17.7515, 39.4880



18.2696, 17.7515, 5.6014



12.8674, 17.7515, 7.5535

Sweetspot

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



15.5488, 17.7521, 46.3235



53.9448, 61.1946, 87.2632



17.1978, 33.3176, 9.0543



11.0861, 12.6907, 18.7875



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



15.5488, 17.7521, 46.3235



27.6318, 31.3633, 82.8920



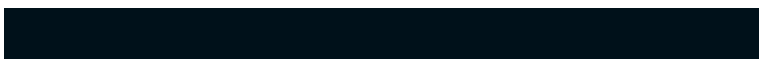
8.9786, 4.6118, 44.1334



8.5124, 9.1710, 10.8279



10.7820, 12.3645, 31.9553



0.3887, 0.4879, 1.0219

Inverse Universe

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



22.6947, 11.2798, 20.0503



40.5364, 20.1571, 35.3381



29.1523, 30.0157, 4.2580



8.7338, 8.6003, 10.0968



15.6769, 7.7883, 13.9906



0.5182, 0.2550, 0.5716

Previews

White Background



This preview shows how the XYZ color 15.5481, 17.7515, 46.3230 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 15.5481, 17.7515, 46.3230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

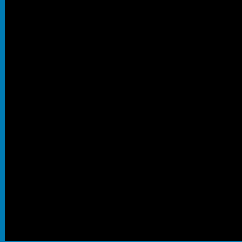
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.5481, 17.7515, 46.3230

Background



This preview shows how black text looks on a background with the XYZ color 15.5481, 17.7515, 46.3230.



This preview shows how white text looks on a background with the XYZ color 15.5481, 17.7515,

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

15.5481, 17.7515, 46.3230

Protanopia

18.6033, 17.8200, 41.9943

Deuteranopia

18.3019, 17.8908, 47.2884



Tritanopia

12.6428, 17.8293, 27.2012

Trichromacy



Original Color

15.5481, 17.7515, 46.3230

Protanomaly

16.3015, 17.1156, 43.5188

Deuteranomaly

16.5761, 17.5404, 46.7679

Tritanomaly

13.5519, 17.7714, 33.2878

Monochromacy



Original Color

15.5481, 17.7515, 46.3230

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.4556, 12.3111, 21.2272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5481, 17.7515, 46.3230 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, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 124, 181)  
}
```

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, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 124, 181) }
```

Border

The CSS property to change the border of an element to XYZ 15.5481, 17.7515, 46.3230 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, 181) }
```


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

```
.border{ border-color:rgb(0, 124, 181) }
```

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, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 124, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 124, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 124,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5481, 17.7515, 46.3230 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, 181) }
```

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

```
.background{ background-color: rgb(0, 124,  
181) }
```

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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