

Converting Colors

XYZ(18.5822, 15.8179, 69.4818)

Have a look what the booklet for
XYZ(18.5822, 15.8179, 69.4818)
contains.

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Color

**XYZ(18.5790, 15.7366,
69.7684)**

Conversions

Conversions Part 1

Format	Color
Hex	1D6ADC
RGB	29, 106, 220
RGB Percent	11%, 42%, 86%
CMY	0.8862, 0.5843, 0.1373
CMYK	0.87, 0.52, 0.00, 0.14
HSL	216°, 77%, 49%
HSV	216°, 87%, 86%
XYZ	18.5790, 15.7366, 69.7684
YIQ	95.9730, -82.4860, 19.1300

Conversions

Conversions Part 2

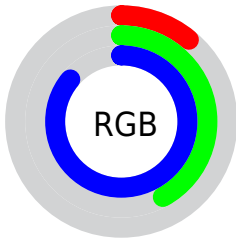
Format	Color
RYB	29, 84, 220
Decimal	1927900
CIELab	46.63, 20.23, -64.45
CIELCh	47, 67.548, 287.431
Yxy	15.7366, 0.1785, 0.1512
Android (android.graphics.Color)	4280117980 (0xFF1D6ADC)
YUV	95.9730, 61.1453, -58.7353
Hunter-Lab	39.6694, 14.1784, -76.5075

Details

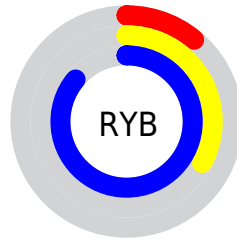
The XYZ color **18.5790, 15.7366, 69.7684** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **39.5635, 34.9567, 5.8260**, and the grayscale version is **10.9845, 11.5566, 12.5851**.

A 20% lighter version of the original color is **36.5374, 34.6489, 99.3699**, and **8.3167, 5.9121, 35.8248** is the 20% darker color. If you saturate the color by 10%, you get **16.9090, 13.0181, 69.3321**, and if you desaturate by 10%, it is **20.8974, 19.0970, 70.2952**.

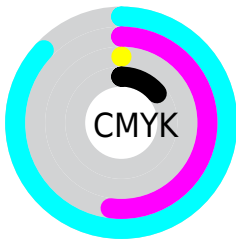
Distribution



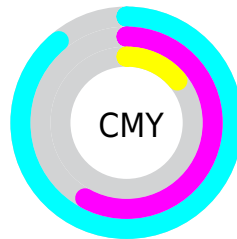
- Red (11%)
- Green (42%)
- Blue (86%)



- Red (11%)
- Yellow (33%)
- Blue (86%)



- Cyan (87%)
- Magenta (52%)
- Yellow (0%)
- Black (14%)



- Cyan (89%)
- Magenta (58%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5790, 15.7366, 69.7684 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 18.5790, 15.7366, 69.7684 by changing the saturation by 10% instead.

■ 18.5790, 15.7366,
69.7684

■ 18.5790, 15.7366,
69.7684

237.0976,
227.7824, 478.5035

■ 11.4687, 9.3380,
50.8621

■ 40.5439, 36.1403,
120.5564

■ 6.4526, 4.9623,
35.7229

■ 56.1291, 50.9142,
153.2753

■ 3.1655, 2.2251,
23.9323

■ 75.2701, 69.2486,
191.4353

■ 1.2419, 0.7337,
15.0717

■ 98.3321, 91.5279,
235.4552

■ 0.1390, 0.0000,
8.7225

■ 125.6805,
118.1366, 285.7534

■ 0.0000, 0.0000,
4.4663

157.6806,

■ 0.0000, 0.0000,

149.4589, 342.7485

1.8845

194.6979,
185.8794, 406.8591

■ 0.0000, 0.0000,
0.4828

■ 0.0000, 0.0000,
0.0000

■ 18.5790, 15.7366,
69.7684

■ 18.5790, 15.7366,
69.7684

■ 16.9090, 13.0181,
69.3321

■ 20.8974, 19.0970,
70.2952

■ 16.4637, 12.2581,
69.2089

■ 23.9551, 23.1593,
70.9182

■ 27.8265, 27.9741,
71.6435

■ 32.5752, 33.5860,
72.4764

■ 38.2583, 40.0353,
73.4217

■ 44.9274, 47.3594,
74.4839

■ 52.6302, 55.5929,
75.6672

■ 61.4112, 64.7686,
76.9754

■ 71.3122, 74.9175,
78.4125

Harmonies

Analogous

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



12.6444, 15.7366, 71.5841



18.5790, 15.7366, 69.7684



24.8437, 15.7366, 49.3920

Triad

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



18.5790, 15.7366, 69.7684



23.9111, 15.7366, 2.6875



6.4568, 15.7366, 11.0461

Complementary

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



18.5790, 15.7366, 69.7684



39.5635, 34.9567, 5.8260

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.



8.1183, 15.7366, 3.2883



18.5790, 15.7366, 69.7684



17.5361, 15.7366, 1.0119

Square

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



18.5790, 15.7366, 69.7684



28.4307, 15.7366, 9.1942



11.8396, 15.7366, 1.1228



6.5986, 15.7366, 28.6849

Rectangle

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



18.5790, 15.7366, 69.7684



27.9057, 15.7366, 32.6764



11.8396, 15.7366, 1.1228



6.8001, 15.7366, 7.5188

Sweetspot

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



18.5798, 15.7370, 69.7688



63.3703, 66.8172, 104.1648



30.8659, 53.3543, 33.6479



12.8265, 13.5006, 22.1798



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.



18.5798, 15.7370, 69.7688



22.8786, 16.8772, 96.6595



14.4378, 6.6037, 68.2242



12.7673, 13.4744, 16.5801



9.7650, 7.3994, 40.6520



0.7157, 0.6455, 2.6613

Inverse Universe

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



32.5569, 17.1362, 15.2274



43.6773, 22.2349, 14.7644



50.7408, 64.1250, 10.8670



13.2724, 13.1381, 14.6959



18.4243, 9.3707, 6.6141



1.2355, 0.6239, 0.6493

Previews

White Background



This preview shows how the XYZ color 18.5790, 15.7366, 69.7684 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 18.5790, 15.7366, 69.7684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

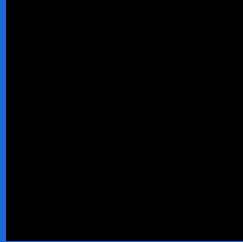
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

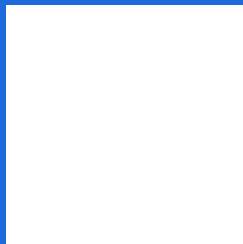
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.5790, 15.7366, 69.7684

Background



This preview shows how black text looks on a background with the XYZ color 18.5790, 15.7366, 69.7684.



This preview shows how white text looks on a background with the XYZ color 18.5790, 15.7366,

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

18.5790, 15.7366, 69.7684

Protanopia

18.6680, 15.7825, 69.7726

Deuteranopia

15.6445, 15.5285, 53.8025



Tritanopia

10.9888, 15.5308, 23.5377

Trichromacy



Original Color

18.5790, 15.7366, 69.7684

Protanomaly

18.6374, 15.7667, 69.7711

Deuteranomaly

16.6130, 15.5826, 59.2589

Tritanomaly

12.9943, 15.2063, 36.9006

Monochromacy



Original Color

18.5790, 15.7366, 69.7684

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.0374, 12.4151, 26.9612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5790, 15.7366, 69.7684 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(29, 106, 220)` looks like.

```
.text, #text, p{  
    color:rgb(29, 106, 220)  
}
```

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(29, 106, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 106, 220) }
```

Border

The CSS property to change the border of an element to XYZ 18.5790, 15.7366, 69.7684 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(29, 106, 220) }
```


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

```
.border{ border-color:rgb(29, 106, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 106, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 106, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 106, 220);  
box-shadow:4px 4px 4px 4px rgb(29, 106,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5790, 15.7366, 69.7684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 106, 220) }
```

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

```
.background{ background-color: rgb(29, 106,  
220) }
```

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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