

Converting Colors

XYZ(15.0810, 18.1299, 42.0297)

Have a look what the booklet for
XYZ(15.0810, 18.1299, 42.0297)
contains.

XYZ(15.1572, 18.2088, 42.2509)	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(15.1572, 18.2088,
42.2509)**

Conversions

Conversions Part 1

Format	Color
Hex	027FAD
RGB	2, 127, 173
RGB Percent	1%, 50%, 68%
CMY	0.9920, 0.5020, 0.3216
CMYK	0.99, 0.27, 0.00, 0.32
HSL	196°, 98%, 34%
HSV	196°, 99%, 68%
XYZ	15.1572, 18.2088, 42.2509
YIQ	94.8690, -89.2660, -12.1940

Conversions

Conversions Part 2

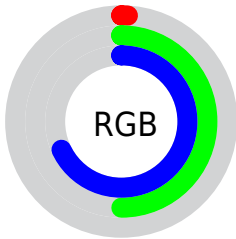
Format	Color
RYB	2, 74, 173
Decimal	163757
CIELab	49.75, -12.26, -32.52
CIELCh	50, 34.751, 249.349
Yxy	18.2088, 0.2004, 0.2408
Android (android.graphics.Color)	4278353837 (0xFF027FAD)
YUV	94.8690, 38.5186, -81.4461
Hunter-Lab	42.6718, -11.2716, -28.8350

Details

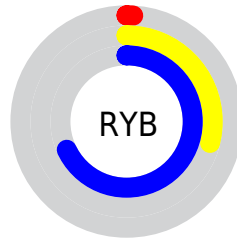
The XYZ color **15.1572, 18.2088, 42.2509** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **18.3029, 11.0049, 1.2177**, and the grayscale version is **10.7743, 11.3354, 12.3442**.

A 20% lighter version of the original color is **34.7785, 40.5238, 80.1176**, and **6.1146, 6.8048, 18.7605** is the 20% darker color. If you saturate the color by 10%, you get **15.0622, 18.0558, 42.2267**, and if you desaturate by 10%, it is **16.0226, 19.5683, 42.4681**.

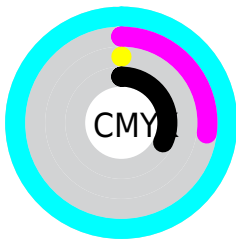
Distribution



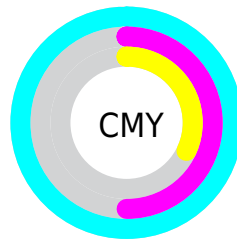
- Red (1%)
- Green (50%)
- Blue (68%)



- Red (1%)
- Yellow (29%)
- Blue (68%)



- Cyan (99%)
- Magenta (27%)
- Yellow (0%)
- Black (32%)



- Cyan (99%)
- Magenta (50%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1572, 18.2088, 42.2509 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 15.1572, 18.2088, 42.2509 by changing the saturation by 10% instead.

■ 15.1572, 18.2088,
42.2509

■ 15.1572, 18.2088,
42.2509

■ 217.6853,
242.0453, 371.3523

■ 9.0168, 11.1000,
28.9708

■ 34.6981, 40.3928,
79.8534

■ 4.8094, 6.1341,
18.8133

■ 48.8294, 56.2368,
105.0128

■ 2.1694, 2.9268,
11.3600

■ 66.3549, 75.7613,
134.9691

■ 0.7266, 1.0936,
6.1923

■ 87.6402, 99.3507,
170.1408

■ 0.0000, 0.0000,
2.8917

■ 113.0505,
127.3894, 210.9464

■ 0.0000, 0.0000,
1.0396

■ 142.9512,

■ 0.0000, 0.0000,

160.2618, 257.8045

0.0000

177.7077,
198.3523, 311.1336

■ 15.1572, 18.2088,
42.2509

■ 15.1572, 18.2088,
42.2509

■ 15.0622, 18.0558,
42.2267

■ 16.0226, 19.5683,
42.4681

■ 17.1405, 21.0996,
42.7047

■ 18.5801, 22.8389,
42.9646

■ 20.3785, 24.8060,
43.2495

■ 22.5677, 27.0180,
43.5610

■ 25.1758, 29.4897,
43.9007

■ 28.2283, 32.2348,
44.2697

■ 31.7484, 35.2659,
44.6692

■ 35.7580, 38.5945,
45.1003

Harmonies

Analogous

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



12.8356, 18.2088, 33.7798



15.1572, 18.2088, 42.2509



18.3619, 18.2088, 43.8089

Triad

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



15.1572, 18.2088, 42.2509



24.3798, 18.2088, 17.0094



13.5759, 18.2088, 8.8045

Complementary

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



15.1572, 18.2088, 42.2509



18.3029, 11.0049, 1.2177

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.



16.2932, 18.2088, 6.7282



15.1572, 18.2088, 42.2509



22.7119, 18.2088, 10.3669

Square

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



15.1572, 18.2088, 42.2509



23.9743, 18.2088, 26.9774



19.6509, 18.2088, 7.1906



12.0068, 18.2088, 14.0658

Rectangle

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



15.1572, 18.2088, 42.2509



20.6187, 18.2088, 40.3451



19.6509, 18.2088, 7.1906



14.3702, 18.2088, 7.8014

Sweetspot

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



15.1579, 18.2094, 42.2514



49.5698, 56.8611, 79.1685



15.4948, 30.1108, 7.7507



10.2800, 11.9168, 17.1460



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



15.1579, 18.2094, 42.2514



26.7891, 31.9640, 75.5635



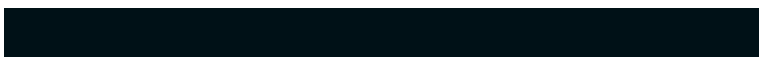
8.3935, 4.6806, 39.9966



8.0513, 8.7020, 10.2080



11.1143, 13.3625, 31.0379



0.3511, 0.4556, 0.8774

Inverse Universe

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



21.0866, 10.4607, 20.9870



37.5679, 18.5926, 36.7433



25.6470, 25.6931, 3.6658



8.2437, 8.1107, 9.5942



15.4736, 7.6520, 15.4054



0.4516, 0.2213, 0.5401

Previews

White Background



This preview shows how the XYZ color 15.1572, 18.2088, 42.2509 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 15.1572, 18.2088, 42.2509 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 15.1572, 18.2088, 42.2509

Background



This preview shows how black text looks on a background with the XYZ color 15.1572, 18.2088, 42.2509.

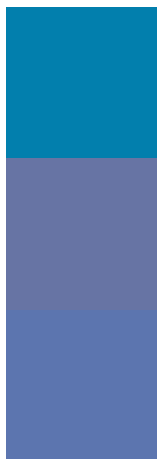


This preview shows how white text looks on a background with the XYZ color 15.1572, 18.2088,

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

15.1572, 18.2088, 42.2509

Protanopia

18.5397, 18.0547, 37.6297

Deuteranopia

18.5128, 18.0930, 43.0740



Tritanopia

12.9240, 18.1557, 28.0225

Trichromacy



Original Color

15.1572, 18.2088, 42.2509

Protanomaly

15.9383, 17.3812, 39.0741

Deuteranomaly

16.2810, 17.6605, 42.5951

Tritanomaly

13.7449, 18.2716, 32.9393

Monochromacy



Original Color

15.1572, 18.2088, 42.2509

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.7573, 12.9376, 20.6691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1572, 18.2088, 42.2509 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(2, 127, 173)` looks like.

```
.text, #text, p{  
    color:rgb(2, 127, 173)  
}
```

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(2, 127, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 127, 173) }
```

Border

The CSS property to change the border of an element to XYZ 15.1572, 18.2088, 42.2509 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(2, 127, 173) }
```


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

```
.border{ border-color:rgb(2, 127, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 127, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 127, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 127, 173);  
box-shadow:4px 4px 4px 4px rgb(2, 127,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1572, 18.2088, 42.2509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 127, 173) }
```

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

```
.background{ background-color: rgb(2, 127,  
173) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor