

Converting Colors

XYZ(15.1434, 18.6524, 37.8977)

Have a look what the booklet for
XYZ(15.1434, 18.6524, 37.8977)
contains.

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Color

**XYZ(15.1783, 18.7042,
37.9322)**

Conversions

Conversions Part 1

Format	Color
Hex	2181A4
RGB	33, 129, 164
RGB Percent	13%, 51%, 64%
CMY	0.8705, 0.4941, 0.3569
CMYK	0.80, 0.21, 0.00, 0.36
HSL	196°, 66%, 39%
HSV	196°, 80%, 64%
XYZ	15.1783, 18.7042, 37.9322
YIQ	104.2860, -68.4510, -9.4670

Conversions

Conversions Part 2

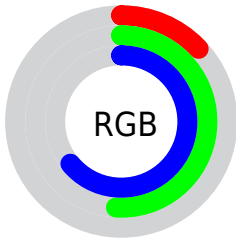
Format	Color
RYB	33, 88, 164
Decimal	2195876
CIELab	50.34, -14.68, -26.35
CIELCh	50, 30.162, 240.881
Yxy	18.7042, 0.2114, 0.2605
Android (android.graphics.Color)	4280385956 (0xFF2181A4)
YUV	104.2860, 29.4390, -62.5178
Hunter-Lab	43.2484, -13.0388, -21.7281

Details

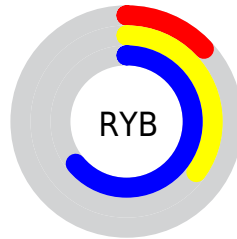
The XYZ color **15.1783, 18.7042, 37.9322** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **17.6524, 12.1379, 2.8521**, and the grayscale version is **13.1725, 13.8585, 15.0919**.

A 20% lighter version of the original color is **34.7697, 41.2797, 73.1531**, and **5.7933, 6.9072, 16.3571** is the 20% darker color. If you saturate the color by 10%, you get **14.2108, 17.3671, 37.7255**, and if you desaturate by 10%, it is **16.4276, 20.2239, 38.1601**.

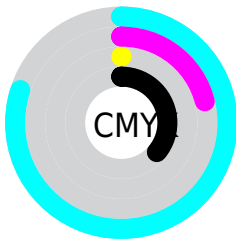
Distribution



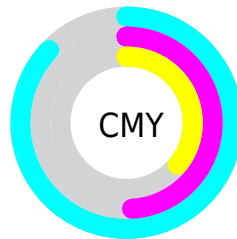
- Red (13%)
- Green (51%)
- Blue (64%)



- Red (13%)
- Yellow (35%)
- Blue (64%)



- Cyan (80%)
- Magenta (21%)
- Yellow (0%)
- Black (36%)



- Cyan (87%)
- Magenta (49%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1783, 18.7042, 37.9322 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 15.1783, 18.7042, 37.9322 by changing the saturation by 10% instead.

■ 15.1783, 18.7042,
37.9322

■ 15.1783, 18.7042,
37.9322

■ 217.8099,
244.8109, 352.6185

■ 9.0317, 11.4567,
25.6286

■ 34.7348, 41.2337,
73.2065

■ 4.8192, 6.3749,
16.3228

■ 48.8754, 57.2845,
97.0143

■ 2.1752, 3.0744,
9.5960

■ 66.4114, 77.0385,
125.4939

■ 0.7296, 1.1707,
5.0299

■ 87.7082, 100.8801,
159.0639

■ 0.0000, 0.0376,
2.2057

■ 113.1311,
129.1938, 198.1429

■ 0.0000, 0.0000,
0.6777

■ 143.0454,

■ 0.0000, 0.0000,

162.3639, 243.1492

0.0000

177.8166,
200.7748, 294.5016

■ 15.1783, 18.7042,
37.9322

■ 15.1783, 18.7042,
37.9322

■ 14.2108, 17.3671,
37.7255

■ 16.4276, 20.2239,
38.1601

■ 13.4487, 16.1720,
37.5350

■ 17.9898, 21.9418,
38.4093

■ 13.4392, 16.1570,
37.5326

■ 19.8939, 23.8736,
38.6818

■ 22.1648, 26.0325,
38.9789

■ 24.8250, 28.4306,
39.3015

■ 27.8950, 31.0790,
39.6509

■ 31.3941, 33.9878,
40.0279

■ 35.3401, 37.1667,
40.4336

■ 39.7498, 40.6248,
40.8686

Harmonies

Analogous

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



13.3735, 18.7042, 29.8046



15.1783, 18.7042, 37.9322



17.8644, 18.7042, 41.0961

Triad

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



15.1783, 18.7042, 37.9322



24.0169, 18.7042, 20.1191



15.0439, 18.7042, 9.4316

Complementary

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



15.1783, 18.7042, 37.9322



17.6524, 12.1379, 2.8521

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.



17.6915, 18.7042, 8.1305



15.1783, 18.7042, 37.9322



23.0562, 18.7042, 13.1652

Square

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



15.1783, 18.7042, 37.9322



23.1592, 18.7042, 29.2551



20.6583, 18.7042, 9.2842



13.3021, 18.7042, 13.4885

Rectangle

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



15.1783, 18.7042, 37.9322



19.8592, 18.7042, 39.4324



20.6583, 18.7042, 9.2842



15.8471, 18.7042, 8.7167

Sweetspot

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



15.1789, 18.7049, 37.9327



47.9869, 54.1538, 71.6759



14.9447, 27.2913, 9.9396



10.0859, 11.4879, 15.6233



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



15.1789, 18.7049, 37.9327



24.7129, 29.8055, 68.2029



9.1380, 6.6229, 35.9190



7.1153, 7.6896, 9.0123



10.3451, 12.4695, 28.7914



0.2529, 0.3331, 0.6168

Inverse Universe

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



19.8167, 10.5659, 21.7645



34.1633, 17.0244, 34.4036



24.0321, 24.8973, 4.9787



7.2832, 7.1697, 8.4775



14.3672, 7.1029, 14.3900



0.3198, 0.1564, 0.3968

Previews

White Background



This preview shows how the XYZ color 15.1783, 18.7042, 37.9322 looks on a white 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

Black Background



This preview shows how the XYZ color 15.1783, 18.7042, 37.9322 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

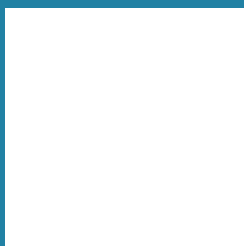
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.1783, 18.7042, 37.9322

Background



This preview shows how black text looks on a background with the XYZ color 15.1783, 18.7042, 37.9322.

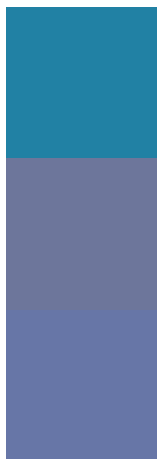


This preview shows how white text looks on a background with the XYZ color 15.1783, 18.7042,

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

15.1783, 18.7042, 37.9322

Protanopia

18.7015, 18.5746, 33.6099

Deuteranopia

19.0470, 18.6305, 39.1514



Tritanopia

13.2092, 18.4857, 28.8585

Trichromacy



Original Color

15.1783, 18.7042, 37.9322

Protanomaly

16.5244, 18.1370, 34.9776

Deuteranomaly

16.9844, 18.2919, 38.7119

Tritanomaly

13.8538, 18.5451, 32.1275

Monochromacy



Original Color

15.1783, 18.7042, 37.9322

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.8129, 14.9363, 21.9463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1783, 18.7042, 37.9322 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(33, 129, 164)` looks like.

```
.text, #text, p{  
    color:rgb(33, 129, 164)  
}
```

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(33, 129, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 129, 164) }
```

Border

The CSS property to change the border of an element to XYZ 15.1783, 18.7042, 37.9322 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(33, 129, 164) }
```


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

```
.border{ border-color:rgb(33, 129, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 129, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 129, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 129, 164);  
box-shadow:4px 4px 4px 4px rgb(33, 129,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1783, 18.7042, 37.9322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 129, 164) }
```

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

```
.background{ background-color: rgb(33, 129,  
164) }
```

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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