

Converting Colors

XYZ(18.4768, 11.6506, 1.7955)

Have a look what the booklet for
XYZ(18.4768, 11.6506, 1.7955)
contains.

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Color

**XYZ(18.5776, 11.7374,
1.8167)**

Conversions

Conversions Part 1

Format	Color
Hex	AC3911
RGB	172, 57, 17
RGB Percent	67%, 22%, 7%
CMY	0.3255, 0.7764, 0.9333
CMYK	0.00, 0.67, 0.90, 0.33
HSL	15°, 82%, 37%
HSV	15°, 90%, 67%
XYZ	18.5776, 11.7374, 1.8167
YIQ	86.8250, 81.3800, 11.9400

Conversions

Conversions Part 2

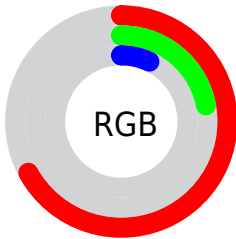
Format	Color
RYB	172, 71, 17
Decimal	11286801
CIELab	40.80, 45.36, 46.82
CIElCh	41, 65.189, 45.905
Yxy	11.7374, 0.5782, 0.3653
Android (android.graphics.Color)	4289476881 (0xFFAC3911)
YUV	86.8250, -34.4237, 74.6985
Hunter-Lab	34.2599, 36.8377, 20.8380

Details

The XYZ color **18.5776, 11.7374, 1.8167** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **15.9279, 19.5984, 41.9729**, and the grayscale version is **9.0815, 9.5544, 10.4048**.

A 20% lighter version of the original color is **40.4617, 29.0259, 8.4710**, and **6.5555, 3.3795, 0.3068** is the 20% darker color. If you saturate the color by 10%, you get **17.9286, 10.6015, 1.1014**, and if you desaturate by 10%, it is **19.4805, 13.2386, 3.0572**.

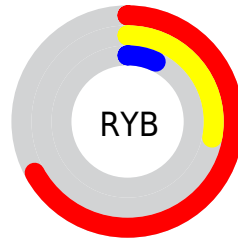
Distribution



Red (67%)

Green (22%)

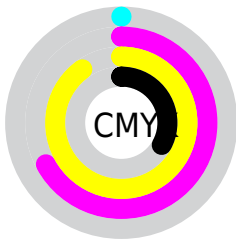
Blue (7%)



Red (67%)

Yellow (28%)

Blue (7%)

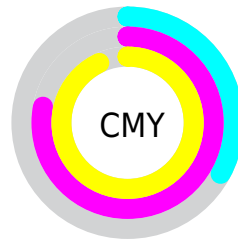


Cyan (0%)

Magenta (67%)

Yellow (90%)

Black (33%)



Cyan (33%)

Magenta (78%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5776, 11.7374, 1.8167 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 18.5776, 11.7374, 1.8167 by changing the saturation by 10% instead.

■ 18.5776, 11.7374,
1.8167

■ 18.5776, 11.7374,
1.8167

237.0900,
202.6590, 119.4623

■ 11.4677, 6.5651,
0.4389

■ 40.5415, 29.0159,
8.5333

■ 6.4519, 3.1917,
0.0000

■ 56.1262, 41.8910,
14.7989

■ 3.1650, 1.2326,
0.0000

■ 75.2665, 58.1024,
23.5607

■ 1.2416, 0.0881,
0.0000

■ 98.3278, 78.0346,
35.2373


■ 0.1389, 0.0000,
0.0000


■ 125.6755,
102.0719, 50.2473


■ 0.0000, 0.0000,
0.0000


■ 157.6748,


130.5989, 69.0090


 194.6912,
163.9997, 91.9412


 18.5776, 11.7374,
1.8167


 18.5776, 11.7374,
1.8167

 17.9286, 10.6015,
1.1014

 19.4805, 13.2386,
3.0572

 20.6769, 15.1278,
5.0087

 22.1933, 17.4319,
7.7605

 24.0527, 20.1749,
11.3886

 26.2757, 23.3785,
15.9599

■ 28.8814, 27.0633,
21.5349

■ 31.8874, 31.2483,
28.1689

■ 35.3100, 35.9516,
35.9132

■ 39.1648, 41.1903,
44.8159

Harmonies

Analogous

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



22.1092, 11.7374, 6.9840



18.5776, 11.7374, 1.8167



13.4702, 11.7374, 0.4972

Triad

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



18.5776, 11.7374, 1.8167



4.5525, 11.7374, 7.5175



13.7809, 11.7374, 56.3955

Complementary

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



18.5776, 11.7374, 1.8167



15.9279, 19.5984, 41.9729

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.



9.1234, 11.7374, 56.9586



18.5776, 11.7374, 1.8167



4.5927, 11.7374, 21.1281

Square

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



18.5776, 11.7374, 1.8167



5.9016, 11.7374, 1.9764



6.0327, 11.7374, 41.2712



18.8586, 11.7374, 40.0384

Rectangle

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



18.5776, 11.7374, 1.8167



10.2641, 11.7374, 0.3841



6.0327, 11.7374, 41.2712



12.0982, 11.7374, 58.6903

Sweetspot

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



18.5779, 11.7381, 1.8169



53.7590, 51.0058, 42.0447



21.4646, 10.8719, 23.2481



11.3154, 10.5698, 8.3354



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.



18.5779, 11.7381, 1.8169



32.3736, 18.9293, 1.9474



25.5361, 25.6547, 4.1363



8.1671, 8.3389, 8.3925



13.3807, 7.9669, 0.8325



0.4165, 0.3102, 0.0379

Inverse Universe

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



15.9279, 19.5984, 41.9729



27.2326, 32.8510, 75.7113



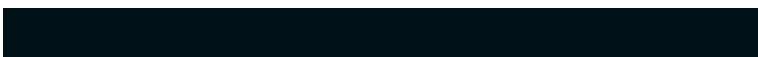
9.0797, 5.9020, 39.6902



8.0587, 8.7168, 10.2105



11.2934, 13.7207, 31.0976



0.3550, 0.4634, 0.8787

Previews

White Background



This preview shows how the XYZ color 18.5776, 11.7374, 1.8167 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



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 18.5776, 11.7374, 1.8167

Background



This preview shows how black text looks on a background with the XYZ color 18.5776, 11.7374, 1.8167.



This preview shows how white text looks on a background with the XYZ color 18.5776, 11.7374,

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

18.5776, 11.7374, 1.8167

Protanopia

10.7792, 11.8797, 2.7618

Deuteranopia

11.9955, 11.8652, 1.6580



Tritanopia

19.2205, 11.7160, 4.9898

Trichromacy



Original Color

18.5776, 11.7374, 1.8167

Protanomaly

12.6877, 11.0020, 2.2655

Deuteranomaly

13.8134, 11.2678, 1.6192

Tritanomaly

18.9707, 11.6897, 3.4470

Monochromacy



Original Color

18.5776, 11.7374, 1.8167

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

10.9252, 9.3682, 5.7899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5776, 11.7374, 1.8167 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(172, 57, 17)` looks like.

```
.text, #text, p{  
    color:rgb(172, 57, 17)  
}
```

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(172, 57, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 57, 17) }
```

Border

The CSS property to change the border of an element to XYZ 18.5776, 11.7374, 1.8167 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(172, 57, 17) }
```


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

```
.border{ border-color:rgb(172, 57, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 57, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 57, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 57, 17);  
box-shadow:4px 4px 4px 4px rgb(172, 57,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5776, 11.7374, 1.8167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 57, 17) }
```

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

```
.background{ background-color: rgb(172, 57,  
17) }
```

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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