

Converting Colors

XYZ(18.6202, 11.5927, 2.7991)

Have a look what the booklet for
XYZ(18.6202, 11.5927, 2.7991)
contains.

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Color

**XYZ(18.6682, 11.6185,
2.7721)**

Conversions

Conversions Part 1

Format	Color
Hex	AC3722
RGB	172, 55, 34
RGB Percent	67%, 22%, 13%
CMY	0.3255, 0.7843, 0.8667
CMYK	0.00, 0.68, 0.80, 0.33
HSL	9°, 67%, 40%
HSV	9°, 80%, 67%
XYZ	18.6682, 11.6185, 2.7721
YIQ	87.5890, 76.4730, 18.2730

Conversions

Conversions Part 2

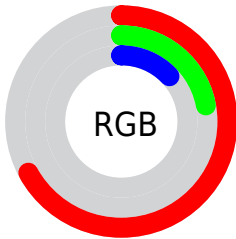
Format	Color
R_{YB}	172, 59, 34
Decimal	11286306
CIE _{Lab}	40.60, 46.66, 38.76
CIE _{LCh}	41, 60.658, 39.711
Yxy	11.6185, 0.5647, 0.3514
Android (android.graphics.Color)	4289476386 (0xFFAC3722)
YUV	87.5890, -26.4194, 74.0284
Hunter-Lab	34.0859, 38.1106, 19.0383

Details

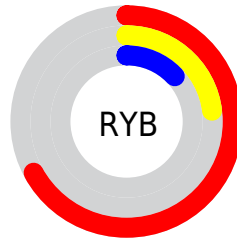
The XYZ color **18.6682, 11.6185, 2.7721** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **19.1717, 25.4499, 42.9314**, and the grayscale version is **9.2309, 9.7116, 10.5759**.

A 20% lighter version of the original color is **40.7422, 28.7967, 11.0004**, and **6.6821, 3.4447, 0.3127** is the 20% darker color. If you saturate the color by 10%, you get **17.8860, 10.3569, 1.5786**, and if you desaturate by 10%, it is **19.7797, 13.3405, 4.6878**.

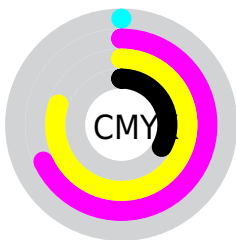
Distribution



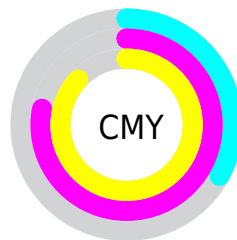
- Red (67%)
- Green (22%)
- Blue (13%)



- Red (67%)
- Yellow (23%)
- Blue (13%)



- Cyan (0%)
- Magenta (68%)
- Yellow (80%)
- Black (33%)





- Cyan (33%)
- Magenta (78%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6682, 11.6185, 2.7721 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 18.6682, 11.6185, 2.7721 by changing the saturation by 10% instead.


 18.6682, 11.6185,
2.7721


 18.6682, 11.6185,
2.7721


237.5843,
201.8630, 133.4029


 11.5334, 6.4845,
0.9795


 40.6939, 28.7983,
11.0607


 6.4967, 3.1418,
0.0000


 56.3155, 41.6130,
18.3938

 3.1929, 1.2062,
0.0000

 75.4967, 57.7565,
28.4107

 1.2566, 0.0668,
0.0000

 98.6028, 77.6135,
41.5301

 0.1504, 0.0000,
0.0000

 125.9993,
101.5682, 58.1705

 0.0000, 0.0000,
0.0000

 158.0515,

130.0052, 78.7504

195.1247,
163.3086, 103.6883

18.6682, 11.6185,
2.7721

18.6682, 11.6185,
2.7721

17.8860, 10.3569,
1.5786

19.7797, 13.3405,
4.6878

17.3866, 9.5175,
0.9207

21.2525, 15.5601,
7.4166

23.1153, 18.3130,
11.0366

25.3939, 21.6309,
15.6165

28.1117, 25.5433,
21.2184

■ 31.2903, 30.0771,
27.8990

■ 34.9499, 35.2581,
35.7108

■ 39.1096, 41.1104,
44.7030

■ 43.7872, 47.6567,
54.9219

Harmonies

Analogous

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



21.3135, 11.6185, 9.0741



18.6682, 11.6185, 2.7721



14.1523, 11.6185, 0.9167

Triad

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



18.6682, 11.6185, 2.7721



4.9791, 11.6185, 6.1074



12.4915, 11.6185, 53.0543

Complementary

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



18.6682, 11.6185, 2.7721



19.1717, 25.4499, 42.9314

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.



8.4262, 11.6185, 50.1809



18.6682, 11.6185, 2.7721



4.7515, 11.6185, 17.0614

Square

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



18.6682, 11.6185, 2.7721



6.5722, 11.6185, 1.7980



5.8415, 11.6185, 34.4992



17.1857, 11.6185, 40.8558

Rectangle

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



18.6682, 11.6185, 2.7721



11.0846, 11.6185, 0.6536



5.8415, 11.6185, 34.4992



11.0016, 11.6185, 53.9374

Sweetspot

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



18.6685, 11.6192, 2.7723



54.2403, 50.9710, 45.2802



23.1955, 12.1589, 30.5304



11.3613, 10.4686, 8.9459



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.



18.6685, 11.6192, 2.7723



31.7335, 17.5704, 1.9766



24.4721, 23.2264, 4.7068



8.1000, 8.2049, 8.3701



12.9651, 7.1357, 0.6940



0.3901, 0.2574, 0.0291

Inverse Universe

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



19.1717, 25.4499, 42.9314



32.3851, 42.9891, 77.3966



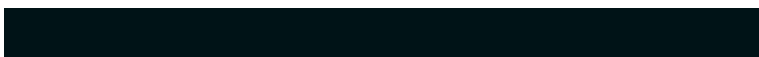
11.1461, 9.3987, 40.2562



8.1309, 8.8612, 10.2345



13.2018, 17.5374, 31.7338



0.3948, 0.5430, 0.8920

Previews

White Background



This preview shows how the XYZ color 18.6682, 11.6185, 2.7721 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 18.6682, 11.6185, 2.7721 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 18.6682, 11.6185, 2.7721

Background



This preview shows how black text looks on a background with the XYZ color 18.6682, 11.6185, 2.7721.



This preview shows how white text looks on a background with the XYZ color 18.6682, 11.6185,

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

18.6682, 11.6185, 2.7721

Protanopia

10.8312, 11.8724, 4.3055

Deuteranopia

12.0078, 11.8537, 2.4657



Tritanopia

19.1512, 11.6161, 4.8472

Trichromacy



Original Color

18.6682, 11.6185, 2.7721

Protanomaly

12.7953, 11.0270, 3.6445

Deuteranomaly

13.8090, 11.2465, 2.4799

Tritanomaly

19.0198, 11.6357, 3.9328

Monochromacy



Original Color

18.6682, 11.6185, 2.7721

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

11.2356, 9.5082, 6.7119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6682, 11.6185, 2.7721 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, 55, 34)` looks like.

```
.text, #text, p{  
    color:rgb(172, 55, 34)  
}
```

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, 55, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 55, 34) }
```

Border

The CSS property to change the border of an element to XYZ 18.6682, 11.6185, 2.7721 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, 55, 34) }
```


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

```
.border{ border-color:rgb(172, 55, 34) }
```

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

Here you see how a box with a 4 pixel rgb(172, 55, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 55, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 55, 34);  
box-shadow:4px 4px 4px 4px rgb(172, 55,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6682, 11.6185, 2.7721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 55, 34) }
```

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

```
.background{ background-color: rgb(172, 55,  
34) }
```

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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