

Converting Colors

XYZ(18.5695, 20.6051, 11.7048)

Have a look what the booklet for
XYZ(18.5695, 20.6051, 11.7048)
contains.

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Color

**XYZ(18.6292, 20.6759,
11.8131)**

Conversions

Conversions Part 1

Format	Color
Hex	837F56
RGB	131, 127, 86
RGB Percent	51%, 50%, 34%
CMY	0.4863, 0.5019, 0.6627
CMYK	0.00, 0.03, 0.34, 0.49
HSL	55°, 21%, 43%
HSV	55°, 34%, 51%
XYZ	18.6292, 20.6759, 11.8131
YIQ	123.5220, 15.5450, -11.9030

Conversions

Conversions Part 2

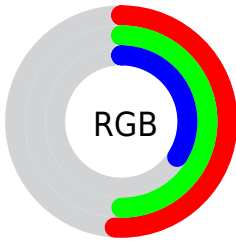
Format	Color
RYB	90, 131, 86
Decimal	8617814
CIELab	52.59, -5.22, 22.87
CIElCh	53, 23.463, 102.855
Yxy	20.6759, 0.3644, 0.4045
Android (android.graphics.Color)	4286807894 (0xFF837F56)
YUV	123.5220, -18.4983, 6.5582
Hunter-Lab	45.4708, -6.4430, 16.4263

Details

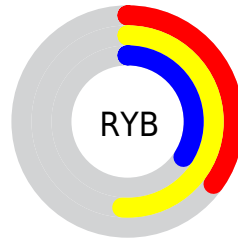
The XYZ color **18.6292, 20.6759, 11.8131** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **11.5907, 10.9293, 22.9716**, and the grayscale version is **19.0556, 20.0479, 21.8322**.

A 20% lighter version of the original color is **40.7728, 44.7344, 29.7782**, and **6.5007, 7.3513, 3.0838** is the 20% darker color. If you saturate the color by 10%, you get **17.9998, 20.1858, 9.2337**, and if you desaturate by 10%, it is **19.3581, 21.2101, 14.9035**.

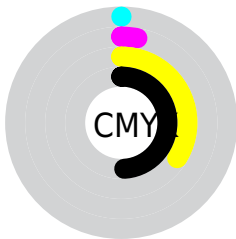
Distribution



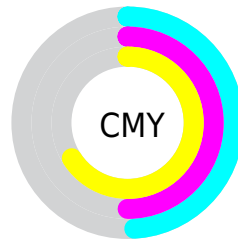
- Red (51%)
- Green (50%)
- Blue (34%)



- Red (35%)
- Yellow (51%)
- Blue (34%)



- Cyan (0%)
- Magenta (3%)
- Yellow (34%)
- Black (49%)



- Cyan (49%)
- Magenta (50%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6292, 20.6759, 11.8131 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 18.6292, 20.6759, 11.8131 by changing the saturation by 10% instead.

■ 18.6292, 20.6759,
11.8131

■ 18.6292, 20.6759,
11.8131

237.3716,
255.5510, 214.0978

■ 11.5051, 12.8873,
6.4956

■ 40.6283, 44.5475,
29.8135

■ 6.4774, 7.3510,
3.0751

■ 56.2340, 61.3993,
43.3335

■ 3.1809, 3.6826,
1.1331

■ 75.3976, 82.0410,
60.4247

■ 1.2501, 1.4976,
0.0000

■ 98.4845, 106.8569,
81.5056

■ 0.1454, 0.2871,
0.0000

■ 125.8600,
136.2315, 106.9949

■ 0.0000, 0.0000,
0.0000

157.8894,

170.5491, 137.3110

194.9382,
210.1941, 172.8724

■ 18.6292, 20.6759,
11.8131

■ 18.6292, 20.6759,
11.8131

■ 17.9998, 20.1858,
9.2337

■ 19.3581, 21.2101,
14.9035

■ 17.4632, 19.7348,
7.1363

■ 20.1899, 21.7874,
18.5294

■ 17.0139, 19.3215,
5.4905

■ 21.1297, 22.4108,
22.7153

■ 16.6456, 18.9434,
4.2625

■ 22.1817, 23.0819,
27.4836

■ 16.3508, 18.5974,
3.4133

■ 23.3500, 23.8023,
32.8558

■ 16.1197, 18.2796,
2.8912

■ 24.6385, 24.5736,
38.8521

■ 16.0004, 18.1058,
2.6515

■ 26.0509, 25.3973,
45.4918

■ 27.5906, 26.2747,
52.7933

■ 29.2610, 27.2073,
60.7744

Harmonies

Analogous

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



21.0636, 20.6759, 11.9828



18.6292, 20.6759, 11.8131



16.6384, 20.6759, 14.0493

Triad

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



18.6292, 20.6759, 11.8131



16.4177, 20.6759, 32.9108



24.4701, 20.6759, 26.6980

Complementary

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



18.6292, 20.6759, 11.8131



11.5907, 10.9293, 22.9716

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.



23.0088, 20.6759, 33.8330



18.6292, 20.6759, 11.8131



18.3046, 20.6759, 37.8968

Square

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



18.6292, 20.6759, 11.8131



15.4343, 20.6759, 25.6271



20.7112, 20.6759, 38.2654



24.5751, 20.6759, 19.6611

Rectangle

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



18.6292, 20.6759, 11.8131



15.7757, 20.6759, 16.9359



20.7112, 20.6759, 38.2654



24.1160, 20.6759, 29.1959

Sweetspot

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



18.6297, 20.6768, 11.8135



36.8250, 39.4661, 36.1462



14.5549, 12.2279, 11.3782



8.5273, 9.1576, 8.2097



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



18.6297, 20.6768, 11.8135



32.4892, 36.3529, 17.5654



16.6063, 20.4154, 11.8697



5.0053, 5.3542, 4.9990



15.7508, 17.8242, 2.6103



0.0571, 0.0669, 0.0099

Inverse Universe

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



11.5907, 10.9293, 22.9716



17.9412, 16.2102, 40.6364



13.1337, 11.2376, 22.9498



4.4653, 4.6062, 5.8545



4.1587, 1.8653, 21.2775



0.0164, 0.0105, 0.0744

Previews

White Background



This preview shows how the XYZ color 18.6292, 20.6759, 11.8131 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 18.6292, 20.6759, 11.8131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

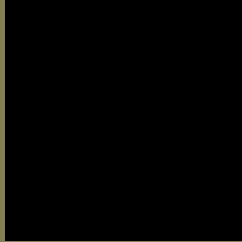
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.6292, 20.6759, 11.8131

Background



This preview shows how black text looks on a background with the XYZ color 18.6292, 20.6759, 11.8131.



This preview shows how white text looks on a background with the XYZ color 18.6292, 20.6759,

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

18.6292, 20.6759, 11.8131

Protanopia

19.1267, 20.5573, 11.5542

Deuteranopia

21.0144, 20.6051, 11.8864



Tritanopia

21.0874, 20.5477, 24.3274

Trichromacy



Original Color

18.6292, 20.6759, 11.8131

Protanomaly

18.9321, 20.6459, 11.5816

Deuteranomaly

20.1310, 20.6937, 11.9501

Tritanomaly

20.0090, 20.4721, 19.1166

Monochromacy



Original Color

18.6292, 20.6759, 11.8131

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.9005, 20.3050, 17.6750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6292, 20.6759, 11.8131 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(131, 127, 86)` looks like.

```
.text, #text, p{  
    color:rgb(131, 127, 86)  
}
```

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(131, 127, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 127, 86) }
```

Border

The CSS property to change the border of an element to XYZ 18.6292, 20.6759, 11.8131 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(131, 127, 86) }
```


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

```
.border{ border-color:rgb(131, 127, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 127, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 127, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 127, 86);  
box-shadow:4px 4px 4px 4px rgb(131, 127,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6292, 20.6759, 11.8131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 127, 86) }
```

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

```
.background{ background-color: rgb(131,  
127, 86) }
```

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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