

Converting Colors

XYZ(18.7023, 20.8759, 13.2640)

Have a look what the booklet for
XYZ(18.7023, 20.8759, 13.2640)
contains.

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Color

**XYZ(18.7042, 20.8782,
13.1693)**

Conversions

Conversions Part 1

Format	Color
Hex	81805C
RGB	129, 128, 92
RGB Percent	51%, 50%, 36%
CMY	0.4941, 0.4980, 0.6392
CMYK	0.00, 0.01, 0.29, 0.49
HSL	58°, 17%, 43%
HSV	58°, 29%, 51%
XYZ	18.7042, 20.8782, 13.1693
YIQ	124.1950, 12.1520, -10.9840

Conversions

Conversions Part 2

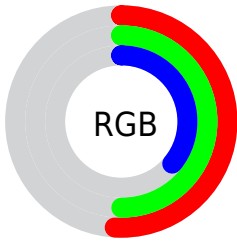
Format	Color
R_{YB}	93, 129, 92
Decimal	8487004
CIE _{Lab}	52.82, -5.79, 19.74
CIE _{LCh}	53, 20.572, 106.352
Yxy	20.8782, 0.3546, 0.3958
Android (android.graphics.Color)	4286677084 (0xFF81805C)
YUV	124.1950, -15.8721, 4.2140
Hunter-Lab	45.6927, -6.8936, 14.8966

Details

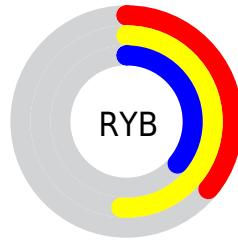
The XYZ color **18.7042, 20.8782, 13.1693** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.2904, 11.6887, 22.3773**, and the grayscale version is **19.2721, 20.2758, 22.0803**.

A 20% lighter version of the original color is **40.6978, 44.9458, 32.1216**, and **6.5136, 7.4515, 3.6797** is the 20% darker color. If you saturate the color by 10%, you get **18.1426, 20.5819, 10.4330**, and if you desaturate by 10%, it is **19.3630, 21.2151, 16.4124**.

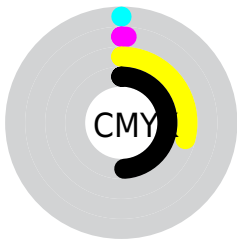
Distribution



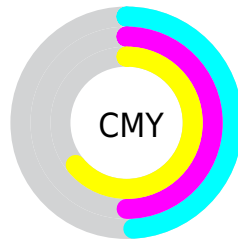
- Red (51%)
- Green (50%)
- Blue (36%)



- Red (36%)
- Yellow (51%)
- Blue (36%)



- Cyan (0%)
- Magenta (1%)
- Yellow (29%)
- Black (49%)



- Cyan (49%)
- Magenta (50%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7042, 20.8782, 13.1693 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 18.7042, 20.8782, 13.1693 by changing the saturation by 10% instead.

■ 18.7042, 20.8782,
13.1693

■ 18.7042, 20.8782,
13.1693

237.7805,
256.6305, 223.2457

■ 11.5595, 13.0350,
7.4131

■ 40.7544, 44.8847,
32.3032

■ 6.5145, 7.4527,
3.6394

■ 56.3906, 61.8169,
46.5181

■ 3.2040, 3.7468,
1.4297

■ 75.5880, 82.5474,
64.3896

■ 1.2625, 1.5329,
0.1647

■ 98.7120, 107.4608,
86.3363

■ 0.1549, 0.3117,
0.0000

126.1278,
136.9414, 112.7767

■ 0.0000, 0.0000,
0.0000

158.2010,

171.3736, 144.1294

195.2967,
211.1419, 180.8128

■ 18.7042, 20.8782,
13.1693

■ 18.7042, 20.8782,
13.1693

■ 18.1426, 20.5819,
10.4330

■ 19.3630, 21.2151,
16.4124

■ 17.6719, 20.3215,
8.1764

■ 20.1221, 21.5916,
20.1847

■ 17.2872, 20.0957,
6.3723

■ 20.9861, 22.0103,
24.5091

■ 16.9827, 19.9023,
4.9899

■ 21.9591, 22.4729,
29.4064

■ 16.7519, 19.7385,
3.9946

■ 23.0448, 22.9808,
34.8967

■ 16.5872, 19.6015,
3.3464

■ 24.2468, 23.5355,
40.9988

■ 16.4688, 19.4832,
2.9415

■ 25.5687, 24.1384,
47.7310

■ 16.4536, 19.4678,
2.8905

■ 27.0136, 24.7908,
55.1105

■ 28.5848, 25.4939,
63.1541

Harmonies

Analogous

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



20.8344, 20.8782, 13.0692



18.7042, 20.8782, 13.1693



17.0039, 20.8782, 15.5088

Triad

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



18.7042, 20.8782, 13.1693



17.1285, 20.8782, 32.4077



24.1329, 20.8782, 25.6387

Complementary

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



18.7042, 20.8782, 13.1693



12.2904, 11.6887, 22.3773

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.



22.9842, 20.8782, 31.9105



18.7042, 20.8782, 13.1693



18.8857, 20.8782, 36.2688

Square

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



18.7042, 20.8782, 13.1693



16.1400, 20.8782, 26.2272



21.0294, 20.8782, 36.0719



24.0755, 20.8782, 19.5635

Rectangle

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



18.7042, 20.8782, 13.1693



16.2971, 20.8782, 18.3119



21.0294, 20.8782, 36.0719



23.8717, 20.8782, 27.8135

Sweetspot

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



18.7047, 20.8791, 13.1697



35.9575, 38.6282, 35.7641



14.8667, 13.1161, 12.1586



8.0986, 8.7235, 7.8945



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



18.7047, 20.8791, 13.1697



32.8605, 37.0564, 20.4821



16.4304, 19.9006, 13.1007



4.6557, 5.0002, 4.6399



16.0430, 18.9824, 2.8184



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.2904, 11.6887, 22.3773



19.5240, 17.9484, 39.6279



14.1293, 12.5077, 22.4384



4.1174, 4.2289, 5.4125



3.9007, 1.6199, 20.3570



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.7042, 20.8782, 13.1693 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 18.7042, 20.8782, 13.1693 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

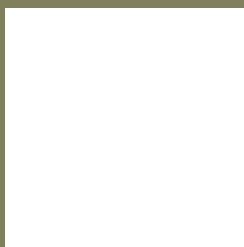
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7042, 20.8782, 13.1693

Background



This preview shows how black text looks on a background with the XYZ color 18.7042, 20.8782, 13.1693.



This preview shows how white text looks on a background with the XYZ color 18.7042, 20.8782,

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

18.7042, 20.8782, 13.1693

Protanopia

19.5025, 20.9113, 12.9059

Deuteranopia

21.2522, 20.8725, 13.4984



Tritanopia

21.0793, 20.9002, 24.7529

Trichromacy



Original Color

18.7042, 20.8782, 13.1693

Protanomaly

19.1506, 20.9206, 12.9263

Deuteranomaly

20.3388, 20.9564, 13.3289

Tritanomaly

20.0602, 20.8571, 19.7982

Monochromacy



Original Color

18.7042, 20.8782, 13.1693

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.8624, 20.2727, 18.2481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7042, 20.8782, 13.1693 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(129, 128, 92)` looks like.

```
.text, #text, p{  
    color:rgb(129, 128, 92)  
}
```

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(129, 128, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 128, 92) }
```

Border

The CSS property to change the border of an element to XYZ 18.7042, 20.8782, 13.1693 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(129, 128, 92) }
```


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

```
.border{ border-color:rgb(129, 128, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 128, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 128, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 128, 92);  
box-shadow:4px 4px 4px 4px rgb(129, 128,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7042, 20.8782, 13.1693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 128, 92) }
```

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

```
.background{ background-color: rgb(129,  
128, 92) }
```

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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