

Converting Colors

XYZ(18.8755, 20.4646, 11.0049)

Have a look what the booklet for
XYZ(18.8755, 20.4646, 11.0049)
contains.

XYZ(18.8483, 20.4273, 10.9321)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.8483, 20.4273,
10.9321)**

Conversions

Conversions Part 1

Format	Color
Hex	877D52
RGB	135, 125, 82
RGB Percent	53%, 49%, 32%
CMY	0.4706, 0.5098, 0.6784
CMYK	0.00, 0.07, 0.39, 0.47
HSL	49°, 24%, 43%
HSV	49°, 39%, 53%
XYZ	18.8483, 20.4273, 10.9321
YIQ	123.0880, 19.7630, -11.2530

Conversions

Conversions Part 2

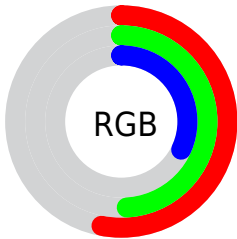
Format	Color
R_{YB}	94, 135, 82
Decimal	8879442
CIE Lab	52.32, -2.90, 24.83
CIE LCh	52, 25.000, 96.652
Yxy	20.4273, 0.3754, 0.4069
Android (android.graphics.Color)	4287069522 (0xFF877D52)
YUV	123.0880, -20.2564, 10.4468
Hunter-Lab	45.1966, -4.6542, 17.2966

Details

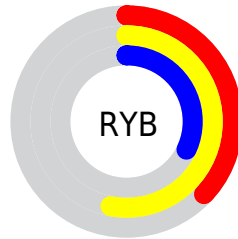
The XYZ color **18.8483, 20.4273, 10.9321** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **11.6800, 11.1972, 24.4674**, and the grayscale version is **18.9164, 19.9015, 21.6728**.

A 20% lighter version of the original color is **40.8733, 43.9290, 28.1547**, and **6.5590, 7.1811, 2.7095** is the 20% darker color. If you saturate the color by 10%, you get **18.0663, 19.6060, 8.3815**, and if you desaturate by 10%, it is **19.7407, 21.3075, 14.0187**.

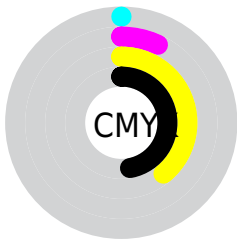
Distribution



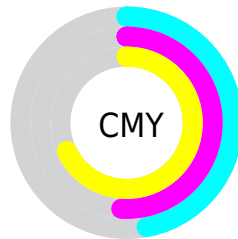
- Red (53%)
- Green (49%)
- Blue (32%)



- Red (37%)
- Yellow (53%)
- Blue (32%)



- Cyan (0%)
- Magenta (7%)
- Yellow (39%)
- Black (47%)



- Cyan (47%)
- Magenta (51%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8483, 20.4273, 10.9321 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 18.8483, 20.4273, 10.9321 by changing the saturation by 10% instead.

■ 18.8483, 20.4273,
10.9321

■ 18.8483, 20.4273,
10.9321

238.5642,
254.2190, 207.9218

■ 11.6641, 12.7060,
5.9076

■ 40.9965, 44.1324,
28.1693

■ 6.5859, 7.2264,
2.7211

■ 56.6911, 60.8851,
41.2190

■ 3.2485, 3.6041,
0.9540

■ 75.9533, 81.4170,
57.7809

■ 1.2865, 1.4547,
0.0000

■ 99.1483, 106.1125,
78.2735

■ 0.1731, 0.2565,
0.0000

■ 126.6415,
135.3561, 103.1154

■ 0.0000, 0.0000,
0.0000

158.7984,

169.5321, 132.7250

195.9842,
209.0250, 167.5210

■ 18.8483, 20.4273,
10.9321

■ 18.8483, 20.4273,
10.9321

■ 18.0663, 19.6060,
8.3815

■ 19.7407, 21.3075,
14.0187

■ 17.3871, 18.8382,
6.3343

■ 20.7476, 22.2460,
17.6688

■ 16.8046, 18.1222,
4.7562

■ 21.8744, 23.2459,
21.9097

■ 16.3113, 17.4547,
3.6081

■ 23.1261, 24.3093,
26.7664

■ 15.8986, 16.8323,
2.8445

■ 24.5072, 25.4381,
32.2625

■ 15.5435, 16.2457,
2.3453

■ 26.0220, 26.6340,
38.4204

■ 15.5177, 16.2029,
2.3096

■ 27.6746, 27.8988,
45.2614

■ 29.4689, 29.2342,
52.8057

■ 31.4086, 30.6418,
61.0729

Harmonies

Analogous

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



21.4420, 20.4273, 11.6084



18.8483, 20.4273, 10.9321



16.6106, 20.4273, 12.7048

Triad

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



18.8483, 20.4273, 10.9321



15.7123, 20.4273, 31.8125



24.3188, 20.4273, 28.3399

Complementary

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



18.8483, 20.4273, 10.9321



11.6800, 11.1972, 24.4674

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.



22.5197, 20.4273, 35.6484



18.8483, 20.4273, 10.9321



17.5210, 20.4273, 37.9428

Square

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



18.8483, 20.4273, 10.9321



14.9063, 20.4273, 23.9231



19.9940, 20.4273, 39.4827



24.7531, 20.4273, 20.6413

Rectangle

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



18.8483, 20.4273, 10.9321



15.5707, 20.4273, 15.3296



19.9940, 20.4273, 39.4827



23.8463, 20.4273, 30.9708

Sweetspot

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



18.8488, 20.4282, 10.9325



38.5421, 41.0780, 36.8356



14.9673, 11.9690, 11.7849



8.8743, 9.4677, 8.3356



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



18.8488, 20.4282, 10.9325



32.5121, 35.2828, 15.5116



17.8086, 21.8663, 11.2649



4.9671, 5.2777, 4.9863



14.3183, 14.9591, 2.1327



0.0544, 0.0614, 0.0090

Inverse Universe

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



11.6800, 11.1972, 24.4674



17.8243, 16.3787, 43.2703



12.4169, 10.3752, 24.2699



4.5004, 4.6763, 5.8662



4.3703, 2.2884, 21.3481



0.0192, 0.0160, 0.0753

Previews

White Background



This preview shows how the XYZ color 18.8483, 20.4273, 10.9321 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 18.8483, 20.4273, 10.9321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

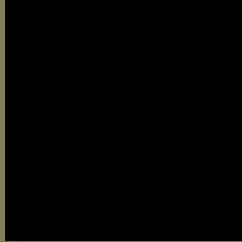
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8483, 20.4273, 10.9321

Background



This preview shows how black text looks on a background with the XYZ color 18.8483, 20.4273, 10.9321.



This preview shows how white text looks on a background with the XYZ color 18.8483, 20.4273,

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

18.8483, 20.4273, 10.9321

Protanopia

19.0099, 20.5107, 10.9397

Deuteranopia

20.7358, 20.3022, 11.0094



Tritanopia

21.3745, 20.3541, 23.5711

Trichromacy



Original Color

18.8483, 20.4273, 10.9321

Protanomaly

19.0099, 20.5107, 10.9397

Deuteranomaly

20.0758, 20.3190, 11.0475

Tritanomaly

20.2432, 20.2479, 18.1705

Monochromacy



Original Color

18.8483, 20.4273, 10.9321

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.6668, 20.0100, 17.0658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8483, 20.4273, 10.9321 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(135, 125, 82)` looks like.

```
.text, #text, p{  
    color:rgb(135, 125, 82)  
}
```

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(135, 125, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 125, 82) }
```

Border

The CSS property to change the border of an element to XYZ 18.8483, 20.4273, 10.9321 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(135, 125, 82) }
```


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

```
.border{ border-color:rgb(135, 125, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 125, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 125, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 125, 82);  
box-shadow:4px 4px 4px 4px rgb(135, 125,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8483, 20.4273, 10.9321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 125, 82) }
```

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

```
.background{ background-color: rgb(135,  
125, 82) }
```

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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