

Converting Colors

XYZ(20.4183, 21.0462, 11.8444)

Have a look what the booklet for
XYZ(20.4183, 21.0462, 11.8444)
contains.

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Color

**XYZ(20.3890, 21.0165,
11.7861)**

Conversions

Conversions Part 1

Format	Color
Hex	907C56
RGB	144, 124, 86
RGB Percent	56%, 49%, 34%
CMY	0.4353, 0.5137, 0.6627
CMYK	0.00, 0.14, 0.40, 0.44
HSL	39°, 25%, 45%
HSV	39°, 40%, 56%
XYZ	20.3890, 21.0165, 11.7861
YIQ	125.6480, 24.1180, -7.5780

Conversions

Conversions Part 2

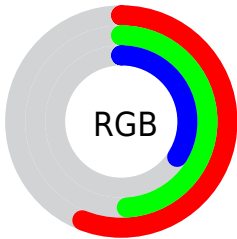
Format	Color
RYB	117, 144, 86
Decimal	9469014
CIELab	52.97, 2.04, 23.59
CIELCh	53, 23.681, 85.066
Yxy	21.0165, 0.3833, 0.3951
Android (android.graphics.Color)	4287659094 (0xFF907C56)
YUV	125.6480, -19.5465, 16.0947
Hunter-Lab	45.8438, -0.8387, 16.8476

Details

The XYZ color **20.3890, 21.0165, 11.7861** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.0257, 14.2997, 28.4065**, and the grayscale version is **19.7706, 20.8003, 22.6515**.

A 20% lighter version of the original color is **43.5225, 44.9704, 29.6788**, and **7.3127, 7.4607, 3.0621** is the 20% darker color. If you saturate the color by 10%, you get **19.2598, 19.5950, 8.8300**, and if you desaturate by 10%, it is **21.6675, 22.5494, 15.3692**.

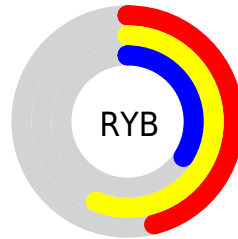
Distribution



Red (56%)

Green (49%)

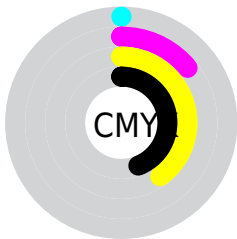
Blue (34%)



Red (46%)

Yellow (56%)

Blue (34%)

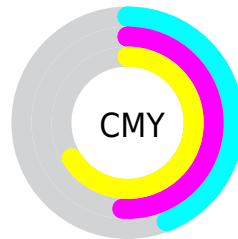


Cyan (0%)

Magenta (14%)

Yellow (40%)

Black (44%)



Cyan (44%)

Magenta (51%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3890, 21.0165, 11.7861 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 20.3890, 21.0165, 11.7861 by changing the saturation by 10% instead.

■ 20.3890, 21.0165,
11.7861

■ 20.3890, 21.0165,
11.7861

246.8069,
257.3662, 213.9114

■ 12.7880, 13.1361,
6.4774

■ 43.5674, 45.1150,
29.7635

■ 7.3587, 7.5223,
3.0641

■ 59.8755, 62.1018,
43.2693

■ 3.7358, 3.7908,
1.1274

■ 79.8168, 82.8929,
60.3445

■ 1.5538, 1.5573,
0.0000

■ 103.7565,
107.8727, 81.4077

■ 0.3620, 0.3285,
0.0000

■ 132.0600,
137.4255, 106.8775

■ 0.0000, 0.0000,
0.0000

165.0926,

171.9358, 137.1724

203.2198,
211.7878, 172.7108

■ 20.3890, 21.0165,
11.7861

■ 20.3890, 21.0165,
11.7861

■ 19.2598, 19.5950,
8.8300

■ 21.6675, 22.5494,
15.3692

■ 18.2709, 18.2782,
6.4623

■ 23.1006, 24.1943,
19.6122

■ 17.4144, 17.0630,
4.6421

■ 24.6953, 25.9553,
24.5474

■ 16.6810, 15.9449,
3.3225

■ 26.4577, 27.8357,
30.2045

■ 16.0598, 14.9189,
2.4487

■ 28.3935, 29.8383,
36.6113

■ 15.5358, 13.9976,
1.8830

■ 30.5080, 31.9659,
43.7943

■ 32.8064, 34.2214,
51.7787

■ 35.2936, 36.6072,
60.5884

■ 37.9745, 39.1259,
70.2466

Harmonies

Analogous

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



22.8358, 21.0165, 13.4055



20.3890, 21.0165, 11.7861



18.0206, 21.0165, 12.5988

Triad

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



20.3890, 21.0165, 11.7861



15.9558, 21.0165, 29.1780



24.1503, 21.0165, 31.6392

Complementary

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



20.3890, 21.0165, 11.7861



14.0257, 14.2997, 28.4065

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.



22.0670, 21.0165, 37.6361



20.3890, 21.0165, 11.7861



17.3647, 21.0165, 36.0212

Square

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



20.3890, 21.0165, 11.7861



15.5869, 21.0165, 21.7274



19.5677, 21.0165, 39.3860



25.1191, 21.0165, 24.0797

Rectangle

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



20.3890, 21.0165, 11.7861



16.7831, 21.0165, 14.5216



19.5677, 21.0165, 39.3860



23.5492, 21.0165, 33.9618

Sweetspot

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



20.3895, 21.0175, 11.7865



42.9798, 45.1510, 41.4827



17.4467, 13.6320, 15.4296



9.7815, 10.2724, 9.2796



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.3895, 21.0175, 11.7865



34.2131, 34.8746, 16.1882



21.6931, 25.7943, 12.6398



5.6851, 5.9766, 5.7433



13.5512, 12.2341, 1.6472



0.1502, 0.1582, 0.0226

Inverse Universe

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



14.0257, 14.2997, 28.4065



21.4548, 21.4171, 49.5411



13.0503, 11.0863, 27.8377



5.2722, 5.5401, 6.8202



5.3842, 3.7544, 23.4180



0.0705, 0.0740, 0.2302

Previews

White Background



This preview shows how the XYZ color 20.3890, 21.0165, 11.7861 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 20.3890, 21.0165, 11.7861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

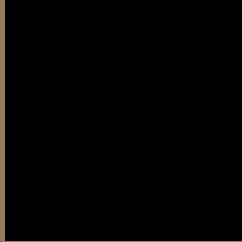
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.3890, 21.0165, 11.7861

Background



This preview shows how black text looks on a background with the XYZ color 20.3890, 21.0165, 11.7861.



This preview shows how white text looks on a background with the XYZ color 20.3890, 21.0165,

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

20.3890, 21.0165, 11.7861

Protanopia

19.6262, 21.1852, 12.0716

Deuteranopia

21.3202, 20.9422, 11.9354



Tritanopia

22.7059, 21.0481, 23.2880

Trichromacy



Original Color

20.3890, 21.0165, 11.7861

Protanomaly

19.9964, 21.1853, 12.0521

Deuteranomaly

20.8926, 20.9031, 11.9504

Tritanomaly

21.8506, 21.0700, 18.5381

Monochromacy



Original Color

20.3890, 21.0165, 11.7861

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.8757, 20.8015, 18.0064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3890, 21.0165, 11.7861 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(144, 124, 86)` looks like.

```
.text, #text, p{  
    color:rgb(144, 124, 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(144, 124, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 124, 86) }
```

Border

The CSS property to change the border of an element to XYZ 20.3890, 21.0165, 11.7861 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(144, 124, 86) }
```


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

```
.border{ border-color:rgb(144, 124, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 124, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 124, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 124, 86);  
box-shadow:4px 4px 4px 4px rgb(144, 124,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3890, 21.0165, 11.7861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 124, 86) }
```

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

```
.background{ background-color: rgb(144,  
124, 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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