

Converting Colors

XYZ(17.1705, 21.2950, 3.5967)

Have a look what the booklet for
XYZ(17.1705, 21.2950, 3.5967)
contains.

XYZ(17.2126, 21.3161, 3.5880)	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(17.2126, 21.3161,
3.5880)**

Conversions

Conversions Part 1

Format	Color
Hex	7F850D
RGB	127, 133, 13
RGB Percent	50%, 52%, 5%
CMY	0.5020, 0.4784, 0.9490
CMYK	0.05, 0.00, 0.90, 0.48
HSL	63°, 82%, 29%
HSV	63°, 90%, 52%
XYZ	17.2126, 21.3161, 3.5880
YIQ	117.5260, 34.9440, -38.5920

Conversions

Conversions Part 2

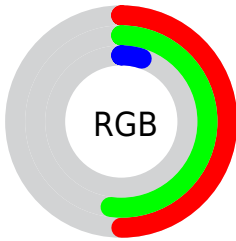
Format	Color
R_{YB}	13, 133, 19
Decimal	8357133
CIE Lab	53.29, -15.80, 55.35
CIE LCh	53, 57.562, 105.929
Yxy	21.3161, 0.4087, 0.5061
Android (android.graphics.Color)	4286547213 (0xFF7F850D)
YUV	117.5260, -51.5313, 8.3087
Hunter-Lab	46.1694, -14.2490, 27.7109

Details

The XYZ color **17.2126, 21.3161, 3.5880** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.6467, 2.1202, 22.3559**, and the grayscale version is **17.2206, 18.1174, 19.7298**.

A 20% lighter version of the original color is **38.2899, 45.6661, 13.0997**, and **5.9944, 7.7965, 1.1889** is the 20% darker color. If you saturate the color by 10%, you get **17.0438, 21.2382, 3.2011**, and if you desaturate by 10%, it is **17.4298, 21.4152, 4.2104**.

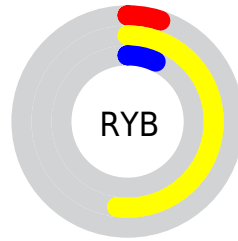
Distribution



Red (50%)

Green (52%)

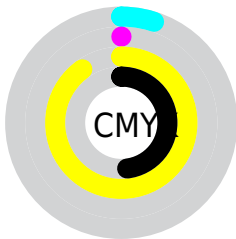
Blue (5%)



Red (5%)

Yellow (52%)

Blue (7%)

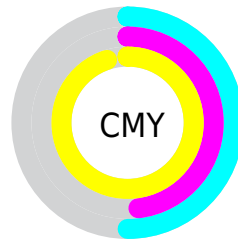


Cyan (5%)

Magenta (0%)

Yellow (90%)

Black (48%)



Cyan (50%)

Magenta (48%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2126, 21.3161, 3.5880 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 17.2126, 21.3161, 3.5880 by changing the saturation by 10% instead.

■ 17.2126, 21.3161,
3.5880

■ 17.2126, 21.3161,
3.5880

229.5270,
258.9536, 143.5296

■ 10.4824, 13.3553,
1.4022

■ 38.2316, 45.6130,
13.0478

■ 5.7847, 7.6736,
0.1434

■ 53.2512, 62.7179,
21.1589

■ 2.7540, 3.8868,
0.0000

■ 71.7647, 83.6396,
32.0821

■ 1.0251, 1.6105,
0.0000

■ 94.1373, 108.7624,
46.2361


■ 0.0000, 0.3646,
0.0000


■ 120.7345,
138.4709, 64.0392


■ 0.0000, 0.0000,
0.0000


■ 151.9216,


173.1493, 85.9102


 188.0640,
213.1821, 112.2675


 17.2126, 21.3161,
3.5880


 17.2126, 21.3161,
3.5880


 17.0438, 21.2382,
3.2011

 17.4298, 21.4152,
4.2104

 17.7163, 21.5414,
5.1970

 18.0812, 21.6990,
6.5926

 18.5317, 21.8909,
8.4354

 19.0741, 22.1197,
10.7591

■ 19.7143, 22.3876,
13.5942

■ 20.4576, 22.6969,
16.9686

■ 21.3089, 23.0494,
20.9084

■ 22.2728, 23.4471,
25.4378

Harmonies

Analogous

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



23.2438, 21.3161, 3.5075



17.2126, 21.3161, 3.5880



12.9558, 21.3161, 6.8218

Triad

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



17.2126, 21.3161, 3.5880



13.1561, 21.3161, 56.6189



33.8790, 21.3161, 32.3587

Complementary

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



17.2126, 21.3161, 3.5880



4.6467, 2.1202, 22.3559

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.



29.8955, 21.3161, 55.2368



17.2126, 21.3161, 3.5880



17.5437, 21.3161, 73.3273

Square

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



17.2126, 21.3161, 3.5880



10.9548, 21.3161, 33.6874



23.6481, 21.3161, 72.7230



33.7408, 21.3161, 15.1665

Rectangle

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



17.2126, 21.3161, 3.5880



11.3367, 21.3161, 12.0393



23.6481, 21.3161, 72.7230



32.9478, 21.3161, 39.7578

Sweetspot

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



17.2131, 21.3171, 3.5884



35.6311, 40.2266, 25.8227



9.9791, 5.4819, 0.9132



7.9469, 9.0292, 5.4556



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.



17.2131, 21.3171, 3.5884



30.4802, 38.0106, 5.7303



10.7759, 17.9986, 3.2872



5.0173, 5.4115, 5.0095



16.2356, 20.2297, 3.0490



0.0580, 0.0710, 0.0106

Inverse Universe

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



4.6467, 2.1202, 22.3559



7.6902, 3.0886, 39.9292



7.6028, 3.6441, 22.4942



4.4544, 4.5549, 5.8452



4.1141, 1.6550, 21.2393



0.0156, 0.0064, 0.0736

Previews

White Background



This preview shows how the XYZ color 17.2126, 21.3161, 3.5880 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 17.2126, 21.3161, 3.5880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

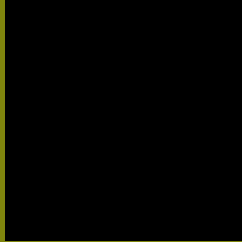
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.2126, 21.3161, 3.5880

Background



This preview shows how black text looks on a background with the XYZ color 17.2126, 21.3161, 3.5880.



This preview shows how white text looks on a background with the XYZ color 17.2126, 21.3161,

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

17.2126, 21.3161, 3.5880

Protanopia

19.2812, 21.3918, 3.4294

Deuteranopia

21.4994, 21.2143, 3.8258



Tritanopia

21.5946, 21.3430, 25.1718

Trichromacy



Original Color

17.2126, 21.3161, 3.5880

Protanomaly

18.5302, 21.3951, 3.5008

Deuteranomaly

19.6726, 21.0136, 3.6810

Tritanomaly

19.0654, 20.8866, 12.4778

Monochromacy



Original Color

17.2126, 21.3161, 3.5880

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.4161, 18.8101, 10.3549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2126, 21.3161, 3.5880 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(127, 133, 13)` looks like.

```
.text, #text, p{  
    color:rgb(127, 133, 13)  
}
```

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(127, 133, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 133, 13) }
```

Border

The CSS property to change the border of an element to XYZ 17.2126, 21.3161, 3.5880 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(127, 133, 13) }
```


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

```
.border{ border-color:rgb(127, 133, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 133, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 133, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 133, 13);  
box-shadow:4px 4px 4px 4px rgb(127, 133,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2126, 21.3161, 3.5880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 133, 13) }
```

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

```
.background{ background-color: rgb(127,  
133, 13) }
```

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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