

Converting Colors

XYZ(17.3090, 22.8277, 1.1412)

Have a look what the booklet for
XYZ(17.3090, 22.8277, 1.1412)
contains.

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Color

**XYZ(17.8355, 23.1161,
3.5218)**

Conversions

Conversions Part 1

Format	Color
Hex	7D8C00
RGB	125, 140, 0
RGB Percent	49%, 55%, 0%
CMY	0.5098, 0.4510, 1.0000
CMYK	0.11, 0.00, 1.00, 0.45
HSL	66°, 100%, 27%
HSV	66°, 100%, 55%
XYZ	17.8355, 23.1161, 3.5218
YIQ	119.5550, 36.0000, -46.7200

Conversions

Conversions Part 2

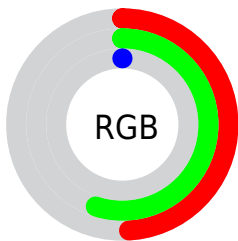
Format	Color
RYB	0, 140, 15
Decimal	8227840
CIELab	55.19, -20.61, 59.02
CIELCh	55, 62.515, 109.246
Yxy	23.1161, 0.4010, 0.5198
Android (android.graphics.Color)	4286417920 (0xFF7D8C00)
YUV	119.5550, -58.9406, 4.7753
Hunter-Lab	48.0792, -17.9221, 29.3125

Details

The XYZ color **17.8355, 23.1161, 3.5218** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.9312, 1.9954, 24.9376**, and the grayscale version is **17.8853, 18.8167, 20.4914**.

A 20% lighter version of the original color is **39.2002, 48.3934, 12.9050**, and **6.3287, 8.6900, 1.3438** is the 20% darker color. If you saturate the color by 10%, you get **17.8358, 23.1171, 3.5220**, and if you desaturate by 10%, it is **18.1360, 23.2627, 3.9501**.

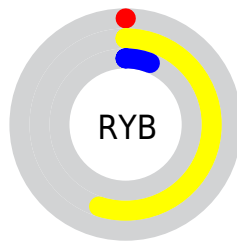
Distribution



Red (49%)

Green (55%)

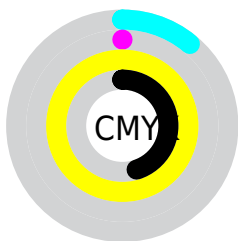
Blue (0%)



Red (0%)

Yellow (55%)

Blue (6%)

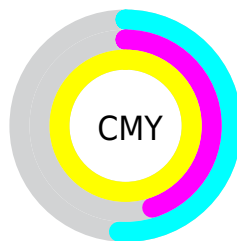


Cyan (11%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (51%)

Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8355, 23.1161, 3.5218 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 17.8355, 23.1161, 3.5218 by changing the saturation by 10% instead.

■ 17.8355, 23.1161,
3.5218

■ 17.8355, 23.1161,
3.5218

233.0058,
268.3207, 142.7519

■ 10.9309, 14.6793,
1.3669

■ 39.2891, 48.5839,
12.8909

■ 6.0874, 8.5946,
0.1157

■ 54.5688, 66.3836,
20.9422

■ 2.9394, 4.4777,
0.0000

■ 73.3710, 88.0731,
31.7960

■ 1.1218, 1.9442,
0.0000

■ 96.0610, 114.0368,
45.8709


■ 0.0433, 0.5748,
0.0000


■ 123.0041,
144.6590, 63.5854


■ 0.0000, 0.0000,
0.0000


■ 154.5657,


180.3241, 85.3580


 191.1111,
221.4166, 111.6073


 17.8355, 23.1161,
3.5218


 17.8355, 23.1161,
3.5218


 17.8358, 23.1171,
3.5220

 18.1360, 23.2627,
3.9501

 18.4905, 23.4303,
4.6472

 18.9263, 23.6309,
5.7552

 19.4530, 23.8683,
7.3246

 20.0789, 24.1457,
9.3986

■ 20.8112, 24.4660,
12.0155

■ 21.6566, 24.8320,
15.2099

■ 22.6210, 25.2460,
19.0136

■ 23.7102, 25.7103,
23.4560

Harmonies

Analogous

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



24.5732, 23.1161, 3.1393



17.8355, 23.1161, 3.5218



13.2881, 23.1161, 7.4862

Triad

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



17.8355, 23.1161, 3.5218



14.3192, 23.1161, 66.9865



37.9800, 23.1161, 33.0489

Complementary

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



17.8355, 23.1161, 3.5218



4.9312, 1.9954, 24.9376

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.



33.7938, 23.1161, 59.5471



17.8355, 23.1161, 3.5218



19.5596, 23.1161, 85.0090

Square

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



17.8355, 23.1161, 3.5218



11.5756, 23.1161, 40.0931



26.7013, 23.1161, 81.7342



37.2436, 23.1161, 14.5021

Rectangle

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



17.8355, 23.1161, 3.5218



11.6546, 23.1161, 13.8534



26.7013, 23.1161, 81.7342



37.0720, 23.1161, 41.4045

Sweetspot

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



17.8360, 23.1172, 3.5223



38.0781, 43.7339, 26.4228



10.9730, 5.8901, 0.5588



8.6418, 10.0202, 5.5826



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



17.8360, 23.1172, 3.5223



31.3624, 40.7124, 6.2053



11.0099, 19.5982, 3.2028



5.3792, 5.8182, 5.3919



15.8569, 20.5445, 3.1297



0.1124, 0.1401, 0.0211

Inverse Universe

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



4.9312, 1.9954, 24.9376



8.6221, 3.4808, 43.9604



8.3907, 3.7789, 25.0995



4.8212, 4.9163, 6.3007



4.3905, 1.7775, 22.1574



0.0348, 0.0147, 0.1475

Previews

White Background



This preview shows how the XYZ color 17.8355, 23.1161, 3.5218 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 17.8355, 23.1161, 3.5218 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 17.8355, 23.1161, 3.5218

Background



This preview shows how black text looks on a background with the XYZ color 17.8355, 23.1161, 3.5218.



This preview shows how white text looks on a background with the XYZ color 17.8355, 23.1161,

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

17.8355, 23.1161, 3.5218

Protanopia

20.6457, 22.8921, 3.3305

Deuteranopia

23.4246, 22.9446, 4.0047



Tritanopia

22.7079, 23.0096, 28.0554

Trichromacy



Original Color

17.8355, 23.1161, 3.5218

Protanomaly

19.4792, 22.9034, 3.3941

Deuteranomaly

21.0178, 22.6752, 3.7209

Tritanomaly

19.6883, 22.5968, 12.7751

Monochromacy



Original Color

17.8355, 23.1161, 3.5218

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.9199, 19.8381, 9.7748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8355, 23.1161, 3.5218 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(125, 140, 0)` looks like.

```
.text, #text, p{  
    color:rgb(125, 140, 0)  
}
```

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(125, 140, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 140, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.8355, 23.1161, 3.5218 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(125, 140, 0) }
```


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

```
.border{ border-color:rgb(125, 140, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 140, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 140, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 140, 0);  
box-shadow:4px 4px 4px 4px rgb(125, 140,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8355, 23.1161, 3.5218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 140, 0) }
```

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

```
.background{ background-color: rgb(125,  
140, 0) }
```

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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