

Converting Colors

XYZ(17.8544, 35.0041, 8.1240)

Have a look what the booklet for
XYZ(17.8544, 35.0041, 8.1240)
contains.

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Color

**XYZ(17.7850, 34.8723,
8.0792)**

Conversions

Conversions Part 1

Format	Color
Hex	00B92B
RGB	0, 185, 43
RGB Percent	0%, 73%, 17%
CMY	1.0000, 0.2745, 0.8313
CMYK	1.00, 0.00, 0.77, 0.27
HSL	134°, 100%, 36%
HSV	134°, 100%, 73%
XYZ	17.7850, 34.8723, 8.0792
YIQ	113.4970, -64.6780, -83.3820

Conversions

Conversions Part 2

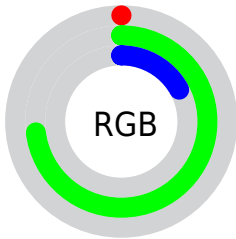
Format	Color
RYB	0, 150, 185
Decimal	47403
CIELab	65.65, -65.95, 56.73
CIELCh	66, 86.995, 139.298
Yxy	34.8723, 0.2928, 0.5742
Android (android.graphics.Color)	4278237483 (0xFF00B92B)
YUV	113.4970, -34.7550, -99.5369
Hunter-Lab	59.0528, -49.5833, 33.2253

Details

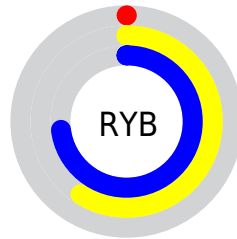
The XYZ color **17.7850, 34.8723, 8.0792** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **24.8908, 12.2677, 26.6471**, and the grayscale version is **15.9591, 16.7902, 18.2845**.

A 20% lighter version of the original color is **39.0413, 67.0018, 22.6793**, and **7.9826, 15.9653, 2.6609** is the 20% darker color. If you saturate the color by 10%, you get **17.7857, 34.8737, 8.0798**, and if you desaturate by 10%, it is **18.3523, 35.1302, 9.7115**.

Distribution



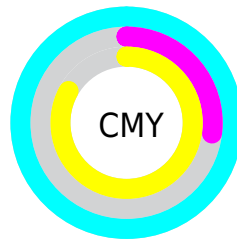
- Red (0%)
- Green (73%)
- Blue (17%)



- Red (0%)
- Yellow (59%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (77%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.7850, 34.8723, 8.0792 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 17.7850, 34.8723, 8.0792 by changing the saturation by 10% instead.


 17.7850, 34.8723,
8.0792


 17.7850, 34.8723,
8.0792


232.7255,
324.0043, 186.3096


 10.8945, 23.5645,
4.0572


 39.2036, 67.2879,
22.6623


 6.0627, 15.0109,
1.6568


 54.4624, 89.1645,
34.0604


 2.9243, 8.8270,
0.3308


 73.2413, 115.3328,
48.7544

 1.1138, 4.6285,
0.0000

 95.9057, 146.1773,
67.1626

 0.0366, 2.0310,
0.0000

 122.8210,
182.0823, 89.7037

 0.0000, 0.6254,
0.0000

 154.3525,

 0.0000, 0.0000,

223.4322, 116.7962

0.0000

190.8655,
270.6114, 148.8587

■ 17.7850, 34.8723,
8.0792

■ 17.7850, 34.8723,
8.0792

■ 17.7857, 34.8737,
8.0798

■ 18.3523, 35.1302,
9.7115

■ 19.2631, 35.5528,
11.8769

■ 20.6168, 36.1913,
14.6201

■ 22.4648, 37.0716,
17.9789

■ 24.8514, 38.2157,
21.9879

■ 27.8156, 39.6430,
26.6789

■ 31.3928, 41.3712,
32.0820

■ 35.6155, 43.4165,
38.2251

■ 40.5139, 45.7939,
45.1347

Harmonies

Analogous

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



25.6676, 34.8723, 2.7483



17.7850, 34.8723, 8.0792



14.3845, 34.8723, 26.3405

Triad

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



17.7850, 34.8723, 8.0792



28.7869, 34.8723, 157.6418



62.1765, 34.8723, 19.1340

Complementary

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



17.7850, 34.8723, 8.0792



24.8908, 12.2677, 26.6471

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.



63.6381, 34.8723, 52.5999



17.7850, 34.8723, 8.0792



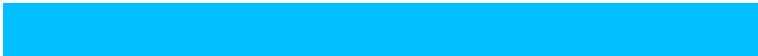
41.9497, 34.8723, 150.6925

Square

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



17.7850, 34.8723, 8.0792



19.5612, 34.8723, 120.2421



55.4890, 34.8723, 104.8604



51.8966, 34.8723, 5.7012

Rectangle

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



17.7850, 34.8723, 8.0792



14.3246, 34.8723, 50.5167



55.4890, 34.8723, 104.8604



63.7999, 34.8723, 27.6945

Sweetspot

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



17.7858, 34.8737, 8.0800



55.8804, 73.9274, 56.9499



29.0126, 40.7117, 6.3291



11.4446, 15.6462, 11.3766



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



17.7858, 34.8737, 8.0800



31.7788, 62.4265, 14.0800



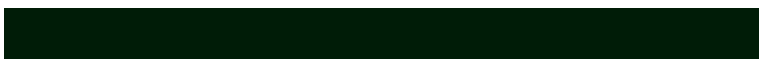
21.5548, 36.3813, 27.9270



8.9736, 10.0934, 10.0184



12.1339, 23.7545, 5.6273



0.4522, 0.8472, 0.3269

Inverse Universe

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



24.8908, 12.2677, 26.6471



44.4832, 21.9327, 47.2262



20.6377, 10.5665, 4.2504



9.2892, 9.1261, 10.8704



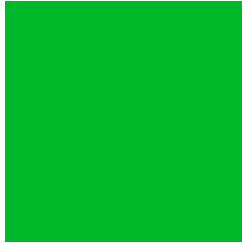
16.9768, 8.3645, 18.2963



0.6206, 0.3037, 0.7614

Previews

White Background



This preview shows how the XYZ color 17.7850, 34.8723, 8.0792 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 17.7850, 34.8723, 8.0792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

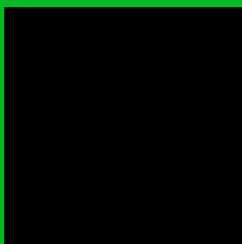
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 17.7850, 34.8723, 8.0792

Background



This preview shows how black text looks on a background with the XYZ color 17.7850, 34.8723, 8.0792.



This preview shows how white text looks on a background with the XYZ color 17.7850, 34.8723,

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

17.7850, 34.8723, 8.0792

Protanopia

31.0767, 34.3886, 6.6688

Deuteranopia

34.6960, 33.9885, 8.7347



Tritanopia

26.5959, 34.5867, 51.7285

Trichromacy



Original Color

17.7850, 34.8723, 8.0792



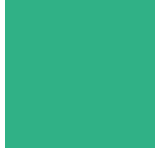
Protanomaly

21.1789, 31.6625, 6.9147



Deuteranomaly

22.1972, 30.8114, 8.1454



Tritanomaly

21.2441, 33.7939, 27.9574

Monochromacy



Original Color

17.7850, 34.8723, 8.0792



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

13.8872, 20.8772, 12.5303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7850, 34.8723, 8.0792 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(0, 185, 43)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 43)  
}
```

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(0, 185, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 43) }
```

Border

The CSS property to change the border of an element to XYZ 17.7850, 34.8723, 8.0792 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(0, 185, 43) }
```


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

```
.border{ border-color:rgb(0, 185, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 185, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 43);  
box-shadow:4px 4px 4px 4px rgb(0, 185, 43)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.7850, 34.8723, 8.0792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 43) }
```

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

```
.background{ background-color: rgb(0, 185,  
43) }
```

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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