

Converting Colors

XYZ(17.6000, 35.1848, 5.9132)

Have a look what the booklet for
XYZ(17.6000, 35.1848, 5.9132)
contains.

XYZ(17.5699, 35.1222, 5.9107)	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(17.5699, 35.1222,
5.9107)**

Conversions

Conversions Part 1

Format	Color
Hex	00BA02
RGB	0, 186, 2
RGB Percent	0%, 73%, 1%
CMY	1.0000, 0.2706, 0.9921
CMYK	1.00, 0.00, 0.99, 0.27
HSL	121°, 100%, 36%
HSV	121°, 100%, 73%
XYZ	17.5699, 35.1222, 5.9107
YIQ	109.4100, -51.7920, -96.6560

Conversions

Conversions Part 2

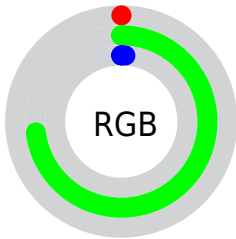
Format	Color
RYB	0, 184, 186
Decimal	47618
CIELab	65.84, -67.95, 65.38
CIELCh	66, 94.296, 136.103
Yxy	35.1222, 0.2998, 0.5993
Android (android.graphics.Color)	4278237698 (0xFF00BA02)
YUV	109.4100, -52.9531, -95.9526
Hunter-Lab	59.2640, -50.7924, 35.5715

Details

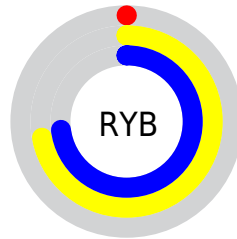
The XYZ color **17.5699, 35.1222, 5.9107** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **28.9008, 13.8997, 46.4994**, and the grayscale version is **14.8108, 15.5821, 16.9689**.

A 20% lighter version of the original color is **38.9814, 67.9608, 18.2709**, and **8.1163, 16.2326, 2.7054** is the 20% darker color. If you saturate the color by 10%, you get **17.5707, 35.1236, 5.9114**, and if you desaturate by 10%, it is **17.9505, 35.3057, 6.5501**.

Distribution



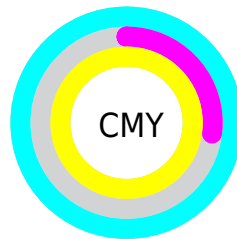
- Red (0%)
- Green (73%)
- Blue (1%)



- Red (0%)
- Yellow (72%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (99%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.5699, 35.1222, 5.9107 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 17.5699, 35.1222, 5.9107 by changing the saturation by 10% instead.


 17.5699, 35.1222,
5.9107


 17.5699, 35.1222,
5.9107


231.5282,
325.1074, 167.5498


 10.7395, 23.7570,
2.7229


 38.8389, 67.6750,
18.2197


 5.9579, 15.1535,
0.9549


 54.0082, 89.6315,
28.1781


 2.8599, 8.9272,
0.0000


 72.6878, 115.8871,
41.2303

 1.0801, 4.6937,
0.0000

 95.2431, 146.8264,
57.7951

 0.0084, 2.0687,
0.0000

 122.0395,
182.8337, 78.2909

 0.0000, 0.6469,
0.0000

 153.4422,

 0.0000, 0.0000,

224.2933, 103.1363

0.0000

189.8167,
271.5898, 132.7497

■ 17.5699, 35.1222,
5.9107

■ 17.5699, 35.1222,
5.9107

■ 17.5707, 35.1236,
5.9114

■ 17.9505, 35.3057,
6.5501

■ 18.6931, 35.6616,
7.8018

■ 19.9235, 36.2519,
9.8465

■ 21.7060, 37.1076,
12.7859

■ 24.0953, 38.2550,
16.7068

■ 27.1392, 39.7172,
21.6856

■ 30.8810, 41.5149,
27.7911

■ 35.3602, 43.6671,
35.0864

■ 40.6133, 46.1916,
43.6299

Harmonies

Analogous

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



26.4947, 35.1222, 1.7542



17.5699, 35.1222, 5.9107



13.5563, 35.1222, 22.6257

Triad

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



17.5699, 35.1222, 5.9107



27.3570, 35.1222, 171.3777



66.2720, 35.1222, 20.6759

Complementary

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



17.5699, 35.1222, 5.9107



28.9008, 13.8997, 46.4994

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.



66.6941, 35.1222, 59.7694



17.5699, 35.1222, 5.9107



41.3714, 35.1222, 169.3102

Square

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



17.5699, 35.1222, 5.9107



18.0491, 35.1222, 124.3569



56.6260, 35.1222, 119.8334



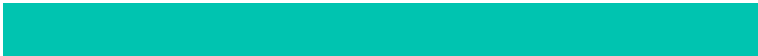
55.5961, 35.1222, 5.3299

Rectangle

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



17.5699, 35.1222, 5.9107



13.2127, 35.1222, 46.9851



56.6260, 35.1222, 119.8334



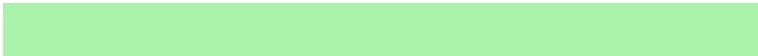
67.7015, 35.1222, 30.6571

Sweetspot

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



17.5707, 35.1237, 5.9115



55.6025, 75.0680, 49.7696



37.8101, 45.5587, 6.8010



11.5828, 16.2132, 9.8807



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



17.5707, 35.1237, 5.9115



31.8410, 63.6589, 10.6847



19.5356, 35.9096, 16.2583



8.8942, 10.0617, 9.6003



11.8223, 23.6299, 3.9864



0.4181, 0.8335, 0.1476

Inverse Universe

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



28.9008, 13.8997, 46.4994



52.3760, 25.1904, 84.2463



22.2265, 11.2300, 11.3528



9.3766, 9.1610, 11.3307



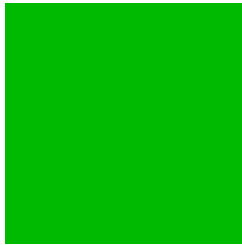
19.4447, 9.3516, 31.2923



0.6868, 0.3302, 1.1103

Previews

White Background



This preview shows how the XYZ color 17.5699, 35.1222, 5.9107 looks on a white background.

Color Contrast Check

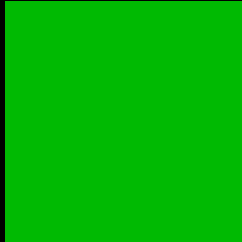
Large Text (above 18pt) WCAG AA × Fail

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 17.5699, 35.1222, 5.9107 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 17.5699, 35.1222, 5.9107

Background



This preview shows how black text looks on a background with the XYZ color 17.5699, 35.1222, 5.9107.



This preview shows how white text looks on a background with the XYZ color 17.5699, 35.1222,

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

17.5699, 35.1222, 5.9107

Protanopia

30.9885, 34.3800, 5.0027

Deuteranopia

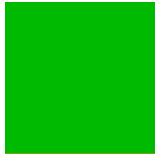
35.2690, 34.5658, 6.8205



Tritanopia

27.0551, 35.0947, 52.3617

Trichromacy



Original Color

17.5699, 35.1222, 5.9107



Protanomaly

21.1329, 31.9555, 5.0829



Deuteranomaly

22.2143, 31.1375, 5.8166



Tritanomaly

20.6260, 33.8750, 23.2207

Monochromacy



Original Color

17.5699, 35.1222, 5.9107



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

12.5054, 19.5987, 8.9182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5699, 35.1222, 5.9107 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, 186, 2)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 2)  
}
```

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, 186, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 2) }
```

Border

The CSS property to change the border of an element to XYZ 17.5699, 35.1222, 5.9107 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, 186, 2) }
```


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

```
.border{ border-color:rgb(0, 186, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 186, 2); box-shadow:4px  
4px 4px 4px rgb(0, 186, 2) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5699, 35.1222, 5.9107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 2) }
```

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

```
.background{ background-color: rgb(0, 186,  
2) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor