

Converting Colors

XYZ(17.9988, 35.9777, 6.0608)

Have a look what the booklet for
XYZ(17.9988, 35.9777, 6.0608)
contains.

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Color

**XYZ(17.9942, 35.9708,
6.0521)**

Conversions

Conversions Part 1

Format	Color
Hex	00BC02
RGB	0, 188, 2
RGB Percent	0%, 74%, 1%
CMY	1.0000, 0.2627, 0.9921
CMYK	1.00, 0.00, 0.99, 0.26
HSL	121°, 100%, 37%
HSV	121°, 100%, 74%
XYZ	17.9942, 35.9708, 6.0521
YIQ	110.5840, -52.3420, -97.7020

Conversions

Conversions Part 2

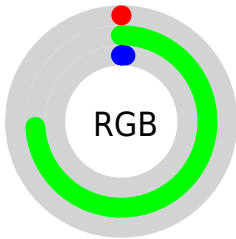
Format	Color
RYB	0, 186, 188
Decimal	48130
CIELab	66.50, -68.49, 65.91
CIELCh	66, 95.054, 136.101
Yxy	35.9708, 0.2998, 0.5993
Android (android.graphics.Color)	4278238210 (0xFF00BC02)
YUV	110.5840, -53.5319, -96.9822
Hunter-Lab	59.9757, -51.4029, 36.0001

Details

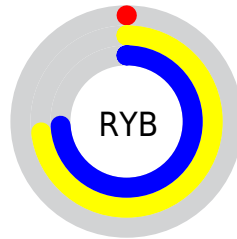
The XYZ color **17.9942, 35.9708, 6.0521** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **29.6015, 14.2365, 47.6351**, and the grayscale version is **15.1514, 15.9404, 17.3591**.

A 20% lighter version of the original color is **39.6977, 69.2283, 18.4778**, and **8.3875, 16.7751, 2.7958** is the 20% darker color. If you saturate the color by 10%, you get **17.9950, 35.9723, 6.0528**, and if you desaturate by 10%, it is **18.3805, 36.1571, 6.7013**.

Distribution



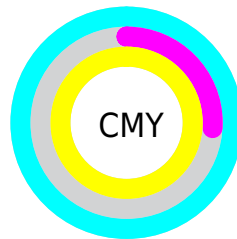
- Red (0%)
- Green (74%)
- Blue (1%)



- Red (0%)
- Yellow (73%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (99%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.9942, 35.9708, 6.0521 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 17.9942, 35.9708, 6.0521 by changing the saturation by 10% instead.


 17.9942, 35.9708,
6.0521


 17.9942, 35.9708,
6.0521


233.8846,
328.8329, 168.8575


 11.0455, 24.4116,
2.8075


 39.5576, 68.9870,
18.5185


 6.1650, 15.6393,
0.9972


 54.9030, 91.2128,
28.5773

 2.9873, 9.2692,
0.0000


 73.7780, 117.7630,
41.7446

 1.1470, 4.9172,
0.0000

 96.5480, 149.0219,
58.4390

 0.0639, 2.1988,
0.0000

 123.5783,
185.3740, 79.0789

 0.0000, 0.7193,
0.0000

 155.2342,

 0.0000, 0.0000,

227.2036, 104.0829

0.0000

191.8812,
274.8951, 133.8696

■ 17.9942, 35.9708,
6.0521

■ 17.9942, 35.9708,
6.0521

■ 17.9950, 35.9723,
6.0528

■ 18.3805, 36.1571,
6.7013

■ 19.1386, 36.5204,
7.9788

■ 20.3966, 37.1239,
10.0691

■ 22.2206, 37.9996,
13.0768

■ 24.6667, 39.1743,
17.0910

■ 27.7842, 40.6718,
22.1901

■ 31.6174, 42.5134,
28.4450

■ 36.2070, 44.7187,
35.9204

■ 41.5903, 47.3057,
44.6762

Harmonies

Analogous

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



27.1354, 35.9708, 1.7960



17.9942, 35.9708, 6.0521



13.8832, 35.9708, 23.1697

Triad

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



17.9942, 35.9708, 6.0521



28.0168, 35.9708, 175.5273



67.8758, 35.9708, 21.1766

Complementary

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



17.9942, 35.9708, 6.0521



29.6015, 14.2365, 47.6351

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.



68.3073, 35.9708, 61.2185



17.9942, 35.9708, 6.0521



42.3703, 35.9708, 173.4137

Square

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



17.9942, 35.9708, 6.0521



18.4841, 35.9708, 127.3636



57.9947, 35.9708, 122.7392



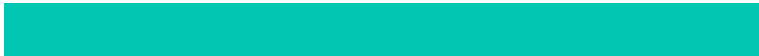
56.9418, 35.9708, 5.4585

Rectangle

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



17.9942, 35.9708, 6.0521



13.5312, 35.9708, 48.1176



57.9947, 35.9708, 122.7392



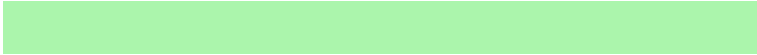
69.3397, 35.9708, 31.3999

Sweetspot

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



17.9950, 35.9723, 6.0529



56.9256, 76.8665, 50.9405



38.7238, 46.6596, 6.9654



11.5826, 16.2132, 9.8796



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.



17.9950, 35.9723, 6.0529



32.6063, 65.1896, 10.9397



20.0045, 36.7761, 16.6347



9.4128, 10.6513, 10.1575



12.2532, 24.4916, 4.1302



0.4814, 0.9599, 0.1693

Inverse Universe

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



29.6015, 14.2365, 47.6351



53.6398, 25.7978, 86.2946



22.7604, 11.5001, 11.6106



9.9254, 9.6945, 11.9964



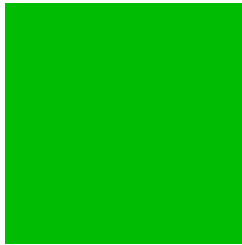
20.1553, 9.6933, 32.4411



0.7909, 0.3803, 1.2783

Previews

White Background



This preview shows how the XYZ color 17.9942, 35.9708, 6.0521 looks on a white background.

Color Contrast Check

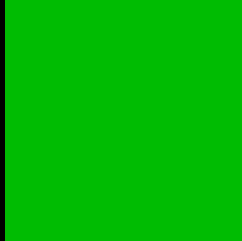
Large Text (above 18pt) WCAG AA × Fail

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 17.9942, 35.9708, 6.0521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

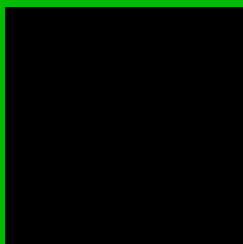
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 17.9942, 35.9708, 6.0521

Background



This preview shows how black text looks on a background with the XYZ color 17.9942, 35.9708, 6.0521.



This preview shows how white text looks on a background with the XYZ color 17.9942, 35.9708,

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

17.9942, 35.9708, 6.0521

Protanopia

31.8009, 35.3135, 5.1401

Deuteranopia

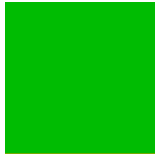
35.9856, 35.1731, 6.9903



Tritanopia

27.7397, 35.9963, 53.6301

Trichromacy



Original Color

17.9942, 35.9708, 6.0521



Protanomaly

21.6386, 32.7728, 5.2140



Deuteranomaly

22.7062, 31.6565, 5.9505



Tritanomaly

21.0878, 34.7011, 23.6757

Monochromacy



Original Color

17.9942, 35.9708, 6.0521



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

12.9685, 20.2598, 9.1883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9942, 35.9708, 6.0521 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, 188, 2)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 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, 188, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 2) }
```

Border

The CSS property to change the border of an element to XYZ 17.9942, 35.9708, 6.0521 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, 188, 2) }
```


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

```
.border{ border-color:rgb(0, 188, 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, 188, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 188, 2); box-shadow:4px  
4px 4px 4px rgb(0, 188, 2) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9942, 35.9708, 6.0521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 2) }
```

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

```
.background{ background-color: rgb(0, 188,  
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](#).

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