

Converting Colors

XYZ(18.2846, 35.5413, 6.8925)

Have a look what the booklet for
XYZ(18.2846, 35.5413, 6.8925)
contains.

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Color

**XYZ(18.2242, 35.4393,
6.8572)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 1CBA1A |
| RGB | 28, 186, 26 |
| RGB Percent | 11%, 73%, 10% |
| CMY | 0.8902, 0.2706, 0.8980 |
| CMYK | 0.85, 0.00, 0.86, 0.27 |
| HSL | 119°, 75%, 42% |
| HSV | 119°, 86%, 73% |
| XYZ | 18.2242, 35.4393, 6.8572 |
| YIQ | 120.5180, -42.8080, -83.2560 |

Conversions

Conversions Part 2

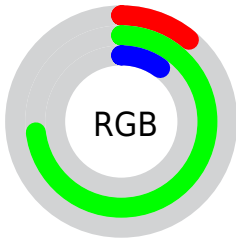
| Format | Color |
|-------------------------------------|--|
| RYB | 26, 186, 184 |
| Decimal | 1882650 |
| CIELab | 66.09, -65.51, 61.96 |
| CIELCh | 66, 90.174, 136.596 |
| Yxy | 35.4393, 0.3011, 0.5856 |
| Android (android.graphics.Color) | 4280072730 (0xFF1CBA1A) |
| YUV | 120.5180, -46.5974, -81.1383 |
| Hunter-Lab | 59.5309, -49.5349, 34.8422 |

Details

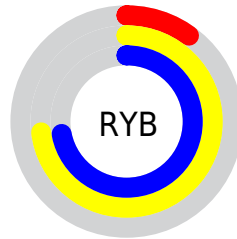
The XYZ color **18.2242, 35.4393, 6.8572** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **29.0037, 14.4767, 47.7220**, and the grayscale version is **18.1745, 19.1209, 20.8227**.

A 20% lighter version of the original color is **39.8754, 67.9316, 20.2430**, and **8.1163, 16.2326, 2.7054** is the 20% darker color. If you saturate the color by 10%, you get **17.7208, 35.1977, 6.0726**, and if you desaturate by 10%, it is **19.1691, 35.8952, 8.3615**.

Distribution



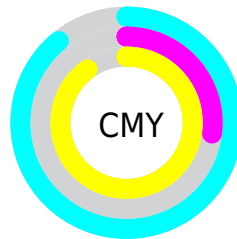
- Red (11%)
- Green (73%)
- Blue (10%)



- Red (10%)
- Yellow (73%)
- Blue (72%)



- Cyan (85%)
- Magenta (0%)
- Yellow (86%)
- Black (27%)





- Cyan (89%)
- Magenta (27%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2242, 35.4393, 6.8572 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 18.2242, 35.4393, 6.8572 by changing the saturation by 10% instead.


 18.2242, 35.4393,
6.8572


 18.2242, 35.4393,
6.8572


235.1529,
326.5031, 176.0575


 11.2117, 24.0015,
3.2959


 39.9461, 68.1658,
20.1933


 6.2778, 15.3347,
1.2476


 55.3862, 90.2232,
30.8052

 3.0570, 9.0546,
0.0183


 74.3663, 116.5892,
44.6043

 1.1840, 4.7768,
0.0000

 97.2516, 147.6484,
62.0092

 0.0937, 2.1169,
0.0000

 124.4076,
183.7849, 83.4384

 0.0000, 0.6741,
0.0000

 156.1996,

 0.0000, 0.0000,

225.3833, 109.3105

0.0000

192.9929,
272.8279, 140.0440

■ 18.2242, 35.4393,
6.8572

■ 18.2242, 35.4393,
6.8572

■ 17.7208, 35.1977,
6.0726

■ 19.1691, 35.8952,
8.3615


■ 17.5886, 35.1342,
5.8546


■ 20.6252, 36.5954,
10.7099

■ 22.6520, 37.5694,
14.0025


■ 25.2999, 38.8415,
18.3247

■ 28.6141, 40.4334,
23.7524

 32.6354, 42.3645,
30.3544

 37.4015, 44.6529,
38.1940

 42.9472, 47.3153,
47.3298

 49.3053, 50.3675,
57.8167

Harmonies

Analogous

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



26.8507, 35.4393, 2.2788



18.2242, 35.4393, 6.8572



14.3298, 35.4393, 23.8911

Triad

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



18.2242, 35.4393, 6.8572



28.0599, 35.4393, 163.9843



64.8824, 35.4393, 21.1222

Complementary

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



18.2242, 35.4393, 6.8572



29.0037, 14.4767, 47.7220

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.



65.4590, 35.4393, 58.3338



18.2242, 35.4393, 6.8572



41.5881, 35.4393, 161.2097

Square

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



18.2242, 35.4393, 6.8572



18.9062, 35.4393, 120.8031



56.0724, 35.4393, 114.6910



54.6594, 35.4393, 5.9792

Rectangle

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



18.2242, 35.4393, 6.8572



14.0315, 35.4393, 47.6950



56.0724, 35.4393, 114.6910



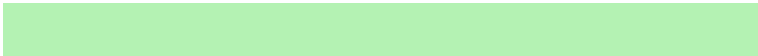
66.2894, 35.4393, 30.7199

Sweetspot

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



18.2250, 35.4408, 6.8580



58.8236, 76.6276, 54.4788



37.4402, 44.5203, 7.5978



12.3667, 16.5927, 11.0324



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.



18.2250, 35.4408, 6.8580



31.8643, 63.6726, 10.6106



20.4512, 36.3251, 18.8551



8.9004, 10.0653, 9.5806



11.8373, 23.6387, 3.9388



0.4208, 0.8351, 0.1390

Inverse Universe

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



29.0037, 14.4767, 47.7220



51.7420, 24.8182, 86.2647



23.3629, 12.2758, 15.5139



9.3696, 9.1569, 11.3531



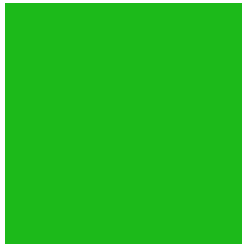
19.2163, 9.2176, 32.0194



0.6810, 0.3268, 1.1289

Previews

White Background



This preview shows how the XYZ color 18.2242, 35.4393, 6.8572 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 18.2242, 35.4393, 6.8572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

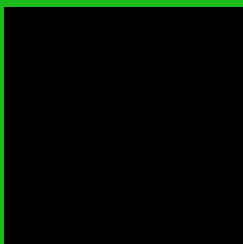
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

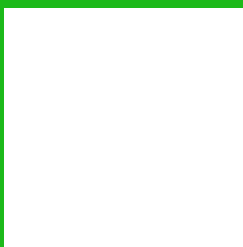
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.2242, 35.4393, 6.8572

Background



This preview shows how black text looks on a background with the XYZ color 18.2242, 35.4393, 6.8572.



This preview shows how white text looks on a background with the XYZ color 18.2242, 35.4393,

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

18.2242, 35.4393, 6.8572

Protanopia

31.5024, 34.8886, 5.6461

Deuteranopia

35.3991, 34.6178, 7.5055



Tritanopia

27.3065, 35.2243, 52.3735

Trichromacy



Original Color

18.2242, 35.4393, 6.8572



Protanomaly

22.7808, 32.7901, 5.8379



Deuteranomaly

23.9582, 32.0158, 6.8364



Tritanomaly

21.8033, 34.4234, 25.9173

Monochromacy



Original Color

18.2242, 35.4393, 6.8572



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

15.7356, 22.9489, 12.4043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2242, 35.4393, 6.8572 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(28, 186, 26)` looks like.

```
.text, #text, p{  
    color:rgb(28, 186, 26)  
}
```

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(28, 186, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 186, 26) }
```

Border

The CSS property to change the border of an element to XYZ 18.2242, 35.4393, 6.8572 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(28, 186, 26) }
```


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

```
.border{ border-color:rgb(28, 186, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 186, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 186, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 186, 26);  
box-shadow:4px 4px 4px 4px rgb(28, 186,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2242, 35.4393, 6.8572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 186, 26) }
```

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

```
.background{ background-color: rgb(28, 186,  
26) }
```

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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