

Converting Colors

XYZ(18.7094, 35.7275, 9.3048)

Have a look what the booklet for
XYZ(18.7094, 35.7275, 9.3048)
contains.

XYZ(18.6535, 35.6079, 9.2580)	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(18.6535, 35.6079,
9.2580)**

Conversions

Conversions Part 1

Format	Color
Hex	1BBA35
RGB	27, 186, 53
RGB Percent	11%, 73%, 21%
CMY	0.8941, 0.2706, 0.7921
CMYK	0.85, 0.00, 0.72, 0.27
HSL	130°, 75%, 42%
HSV	130°, 85%, 73%
XYZ	18.6535, 35.6079, 9.2580
YIQ	123.2970, -52.0710, -75.0710

Conversions

Conversions Part 2

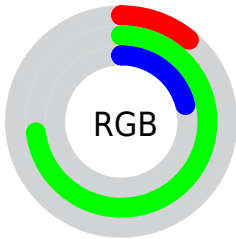
Format	Color
RYB	27, 164, 186
Decimal	1817141
CIELab	66.22, -63.83, 53.81
CIELCh	66, 83.484, 139.867
Yxy	35.6079, 0.2937, 0.5606
Android (android.graphics.Color)	4280007221 (0xFF1BBA35)
YUV	123.2970, -34.6564, -84.4525
Hunter-Lab	59.6724, -48.6278, 32.5720

Details

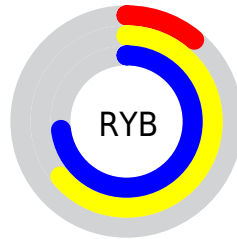
The XYZ color **18.6535, 35.6079, 9.2580** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **26.9876, 13.7615, 34.4912**, and the grayscale version is **19.0490, 20.0411, 21.8247**.

A 20% lighter version of the original color is **40.5301, 68.1660, 24.9311**, and **8.1163, 16.2326, 2.7054** is the 20% darker color. If you saturate the color by 10%, you get **18.0058, 35.3099, 7.6537**, and if you desaturate by 10%, it is **19.7291, 36.1151, 11.4904**.

Distribution



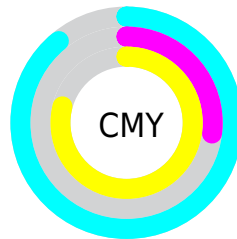
- Red (11%)
- Green (73%)
- Blue (21%)



- Red (11%)
- Yellow (64%)
- Blue (73%)



- Cyan (85%)
- Magenta (0%)
- Yellow (72%)
- Black (27%)





- Cyan (89%)
- Magenta (27%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.6535, 35.6079, 9.2580 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 18.6535, 35.6079, 9.2580 by changing the saturation by 10% instead.


 18.6535, 35.6079,
9.2580


 18.6535, 35.6079,
9.2580


237.5042,
327.2435, 195.5795


 11.5227, 24.1315,
4.8107


 40.6692, 68.4264,
24.9758


 6.4894, 15.4312,
2.0799


 56.2848, 90.5374,
37.0834

 3.1884, 9.1226,
0.6037


 75.4593, 116.9620,
52.5816

 1.2541, 4.8212,
0.0000

 98.5582, 148.0846,
71.8889

 0.1485, 2.1428,
0.0000

 125.9468,
184.2897, 95.4237

 0.0000, 0.6885,
0.0000

 157.9904,

 0.0000, 0.0000,

225.9616, 123.6048

0.0000

195.0544,
273.4847, 156.8505

■ 18.6535, 35.6079,
9.2580

■ 18.6535, 35.6079,
9.2580

■ 18.0058, 35.3099,
7.6537

■ 19.7291, 36.1151,
11.4904

■ 17.7994, 35.2152,
7.1157

■ 21.2921, 36.8580,
14.4045

■ 23.3942, 37.8632,
18.0507

■ 26.0798, 39.1525,
22.4742

■ 29.3886, 40.7457,
27.7161

■ 33.3568, 42.6605,
33.8152

■ 38.0177, 44.9133,
40.8073

■ 43.4025, 47.5196,
48.7263

■ 49.5404, 50.4936,
57.6046

Harmonies

Analogous

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



26.3494, 35.6079, 3.4425



18.6535, 35.6079, 9.2580



15.3372, 35.6079, 27.9248

Triad

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



18.6535, 35.6079, 9.2580



29.8081, 35.6079, 152.8489



61.6906, 35.6079, 19.8406

Complementary

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



18.6535, 35.6079, 9.2580



26.9876, 13.7615, 34.4912

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.



63.2712, 35.6079, 52.1145



18.6535, 35.6079, 9.2580



42.6405, 35.6079, 145.4639

Square

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



18.6535, 35.6079, 9.2580



20.6498, 35.6079, 118.2620



55.6219, 35.6079, 101.8048



51.7204, 35.6079, 6.4413

Rectangle

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



18.6535, 35.6079, 9.2580



15.3258, 35.6079, 51.7332



55.6219, 35.6079, 101.8048



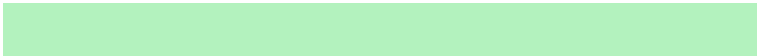
63.3006, 35.6079, 28.1778

Sweetspot

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



18.6543, 35.6094, 9.2588



59.7252, 76.9672, 60.1751



32.6889, 42.8958, 7.5938



12.5796, 16.6729, 12.3763



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.



18.6543, 35.6094, 9.2588



32.2031, 63.8038, 12.5917



22.0646, 36.9735, 27.2170



8.9487, 10.0834, 9.8871



11.9933, 23.6983, 4.8869



0.4416, 0.8429, 0.2712

Inverse Universe

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



26.9876, 13.7615, 34.4912



47.4394, 23.2158, 58.2506



22.1904, 11.8426, 9.2295



9.3161, 9.1368, 11.0122



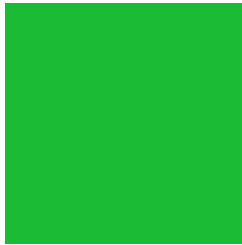
17.6601, 8.6378, 21.8945



0.6396, 0.3113, 0.8615

Previews

White Background



This preview shows how the XYZ color 18.6535, 35.6079, 9.2580 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 18.6535, 35.6079, 9.2580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

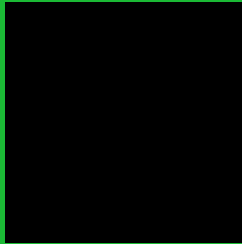
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.6535, 35.6079, 9.2580

Background



This preview shows how black text looks on a background with the XYZ color 18.6535, 35.6079, 9.2580.



This preview shows how white text looks on a background with the XYZ color 18.6535, 35.6079,

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

18.6535, 35.6079, 9.2580

Protanopia

31.6544, 34.9226, 7.6571

Deuteranopia

35.5003, 34.8556, 10.0110



Tritanopia

27.5214, 35.6084, 52.9995

Trichromacy



Original Color

18.6535, 35.6079, 9.2580



Protanomaly

23.0545, 32.8828, 8.0376



Deuteranomaly

24.2711, 32.1221, 9.3358



Tritanomaly

22.5051, 34.6970, 29.9371

Monochromacy



Original Color

18.6535, 35.6079, 9.2580



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

16.5080, 23.5143, 15.2239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6535, 35.6079, 9.2580 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(27, 186, 53)` looks like.

```
.text, #text, p{  
    color:rgb(27, 186, 53)  
}
```

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(27, 186, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 186, 53) }
```

Border

The CSS property to change the border of an element to XYZ 18.6535, 35.6079, 9.2580 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(27, 186, 53) }
```


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

```
.border{ border-color:rgb(27, 186, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 186, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 186, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 186, 53);  
box-shadow:4px 4px 4px 4px rgb(27, 186,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6535, 35.6079, 9.2580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 186, 53) }
```

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

```
.background{ background-color: rgb(27, 186,  
53) }
```

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