

Converting Colors

XYZ(18.6314, 34.3842, 7.6791)

Have a look what the booklet for
XYZ(18.6314, 34.3842, 7.6791)
contains.

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Color

**XYZ(18.6323, 34.3934,
7.6640)**

Conversions

Conversions Part 1

Format	Color
Hex	36B628
RGB	54, 182, 40
RGB Percent	21%, 71%, 16%
CMY	0.7882, 0.2863, 0.8431
CMYK	0.70, 0.00, 0.78, 0.29
HSL	114°, 64%, 44%
HSV	114°, 78%, 71%
XYZ	18.6323, 34.3934, 7.6640
YIQ	127.5400, -30.7060, -71.2980

Conversions

Conversions Part 2

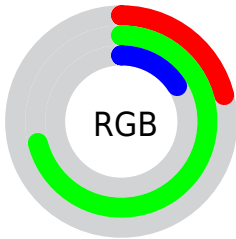
Format	Color
RYB	40, 182, 168
Decimal	3585576
CIELab	65.27, -59.86, 57.55
CIELCh	65, 83.039, 136.128
Yxy	34.3934, 0.3070, 0.5667
Android (android.graphics.Color)	4281775656 (0xFF36B628)
YUV	127.5400, -43.1572, -64.4946
Hunter-Lab	58.6459, -45.9193, 33.3039

Details

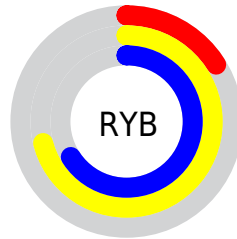
The XYZ color **18.6323, 34.3934, 7.6640** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **25.3530, 13.2212, 45.4735**, and the grayscale version is **20.5116, 21.5798, 23.5004**.

A 20% lighter version of the original color is **40.5856, 66.4995, 21.7629**, and **7.7192, 15.4383, 2.5731** is the 20% darker color. If you saturate the color by 10%, you get **17.6560, 33.9189, 6.3657**, and if you desaturate by 10%, it is **20.0529, 35.0822, 9.7451**.

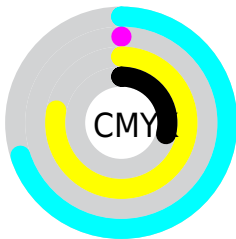
Distribution



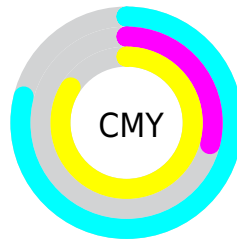
- Red (21%)
- Green (71%)
- Blue (16%)



- Red (16%)
- Yellow (71%)
- Blue (66%)



- Cyan (70%)
- Magenta (0%)
- Yellow (78%)
- Black (29%)





- Cyan (79%)
- Magenta (29%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.6323, 34.3934, 7.6640 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 18.6323, 34.3934, 7.6640 by changing the saturation by 10% instead.


 18.6323, 34.3934,
7.6640


 18.6323, 34.3934,
7.6640


237.3885,
321.8827, 182.9074


 11.5073, 23.1960,
3.7960


 40.6335, 66.5450,
21.8323


 6.4789, 14.7383,
1.5141


 56.2405, 88.2679,
32.9696


 3.1818, 8.6359,
0.2284


 75.4055, 114.2682,
47.3672

 1.2506, 4.5045,
0.0000

 98.4939, 144.9301,
65.4436

 0.1458, 1.9596,
0.0000

 125.8710,
180.6381, 87.6172

 0.0000, 0.5838,
0.0000

 157.9023,

 0.0000, 0.0000,

221.7766, 114.3067

0.0000

194.9530,
268.7300, 145.9306

■ 18.6323, 34.3934,
7.6640

■ 18.6323, 34.3934,
7.6640

■ 17.6560, 33.9189,
6.3657

■ 20.0529, 35.0822,
9.7451

■ 17.0617, 33.6267,
5.6949

■ 21.9604, 36.0021,
12.7034

■ 16.9770, 33.5853,
5.5878

■ 24.3952, 37.1730,
16.6223

■ 27.3925, 38.6117,
21.5749

■ 30.9846, 40.3332,
27.6273

■ 35.2014, 42.3518,
34.8401

■ 40.0707, 44.6805,
43.2695

■ 45.6186, 47.3316,
52.9678

■ 51.8699, 50.3169,
63.9847

Harmonies

Analogous

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



26.6482, 34.3934, 2.9926



18.6323, 34.3934, 7.6640



14.9167, 34.3934, 23.6476

Triad

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



18.6323, 34.3934, 7.6640



27.4274, 34.3934, 146.3981



60.4922, 34.3934, 21.8319

Complementary

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



18.6323, 34.3934, 7.6640



25.3530, 13.2212, 45.4735

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.



60.8501, 34.3934, 55.7849



18.6323, 34.3934, 7.6640



39.5820, 34.3934, 144.7204

Square

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



18.6323, 34.3934, 7.6640



19.0809, 34.3934, 108.8651



52.4747, 34.3934, 105.1319



51.5921, 34.3934, 7.0380

Rectangle

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



18.6323, 34.3934, 7.6640



14.5960, 34.3934, 45.0151



52.4747, 34.3934, 105.1319



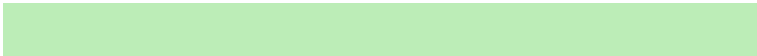
61.6787, 34.3934, 30.7813

Sweetspot

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



18.6331, 34.3948, 7.6648



59.5683, 74.7468, 55.8727



33.6417, 38.0316, 7.5757



12.5675, 16.2271, 11.3357



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.



18.6331, 34.3948, 7.6648



31.1430, 61.0663, 10.5692



19.7525, 34.7680, 16.9314



8.9703, 10.1013, 9.5839



12.0155, 23.7305, 3.9472



0.4510, 0.8507, 0.1404

Inverse Universe

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



25.3530, 13.2212, 45.4735



43.5451, 20.9177, 81.9781



23.7659, 12.9493, 20.7174



9.2914, 9.1166, 11.3494



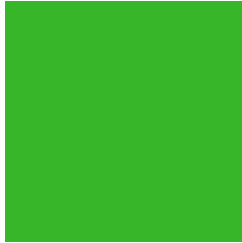
16.8149, 7.9796, 31.9070



0.6182, 0.2944, 1.1260

Previews

White Background



This preview shows how the XYZ color 18.6323, 34.3934, 7.6640 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 18.6323, 34.3934, 7.6640 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 18.6323, 34.3934, 7.6640

Background



This preview shows how black text looks on a background with the XYZ color 18.6323, 34.3934, 7.6640.



This preview shows how white text looks on a background with the XYZ color 18.6323, 34.3934,

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

18.6323, 34.3934, 7.6640

Protanopia

30.6471, 33.9163, 6.4446

Deuteranopia

34.2020, 33.5065, 8.2792



Tritanopia

27.1384, 34.3420, 49.9981

Trichromacy



Original Color

18.6323, 34.3934, 7.6640



Protanomaly

23.6529, 32.6703, 6.7284



Deuteranomaly

24.8222, 31.6493, 7.8183



Tritanomaly

22.2934, 33.4886, 26.7617

Monochromacy



Original Color

18.6323, 34.3934, 7.6640



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

18.0681, 24.7910, 14.8992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6323, 34.3934, 7.6640 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(54, 182, 40)` looks like.

```
.text, #text, p{  
    color:rgb(54, 182, 40)  
}
```

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(54, 182, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 182, 40) }
```

Border

The CSS property to change the border of an element to XYZ 18.6323, 34.3934, 7.6640 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(54, 182, 40) }
```


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

```
.border{ border-color:rgb(54, 182, 40) }
```

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

Here you see how a box with a 4 pixel rgb(54, 182, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 182, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 182, 40);  
box-shadow:4px 4px 4px 4px rgb(54, 182,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6323, 34.3934, 7.6640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 182, 40) }
```

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

```
.background{ background-color: rgb(54, 182,  
40) }
```

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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