

Converting Colors

XYZ(34.0713, 35.7590, 6.5043)

Have a look what the booklet for
XYZ(34.0713, 35.7590, 6.5043)
contains.

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Color

**XYZ(33.9734, 35.6344,
6.4540)**

Conversions

Conversions Part 1

Format	Color
Hex	BF9E20
RGB	191, 158, 32
RGB Percent	75%, 62%, 13%
CMY	0.2510, 0.3804, 0.8745
CMYK	0.00, 0.17, 0.83, 0.25
HSL	48°, 71%, 44%
HSV	48°, 83%, 75%
XYZ	33.9734, 35.6344, 6.4540
YIQ	153.5030, 60.1140, -32.1900

Conversions

Conversions Part 2

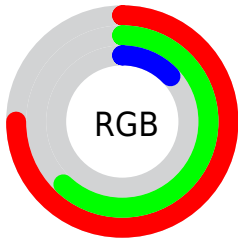
Format	Color
RYB	74, 191, 32
Decimal	12557856
CIELab	66.24, 0.36, 63.81
CIELCh	66, 63.813, 89.675
Yxy	35.6344, 0.4467, 0.4685
Android (android.graphics.Color)	4290747936 (0xFFBF9E20)
YUV	153.5030, -59.9010, 32.8849
Hunter-Lab	59.6946, -2.8775, 35.3759

Details

The XYZ color **33.9734, 35.6344, 6.4540** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **11.8899, 7.8492, 50.1781**, and the grayscale version is **30.7339, 32.3344, 35.2122**.

A 20% lighter version of the original color is **65.1726, 68.3344, 19.4277**, and **14.9306, 15.5019, 2.2052** is the 20% darker color. If you saturate the color by 10%, you get **33.1202, 34.2301, 5.2390**, and if you desaturate by 10%, it is **35.0004, 37.1459, 8.4693**.

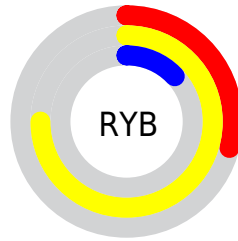
Distribution



Red (75%)

Green (62%)

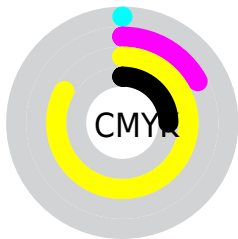
Blue (13%)



Red (29%)

Yellow (75%)

Blue (13%)

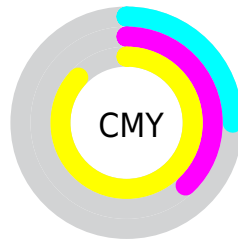


Cyan (0%)

Magenta (17%)

Yellow (83%)

Black (25%)



Cyan (25%)


Magenta (38%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9734, 35.6344, 6.4540 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 33.9734, 35.6344, 6.4540 by changing the saturation by 10% instead.


 33.9734, 35.6344,
6.4540


 33.9734, 35.6344,
6.4540


311.6014,
327.3597, 172.5015


 23.0360, 24.1520,
3.0498


 65.2369, 68.4674,
19.3599


 14.7409, 15.4464,
1.1201


 86.2936, 90.5868,
29.6987

 8.7229, 9.1333,
0.0000


 111.4541,
117.0205, 43.1861

 4.6165, 4.8282,
0.0000

 141.0839,
148.1532, 60.2407

 2.0565, 2.1468,
0.0000

 175.5481,
184.3690, 81.2810

 0.6654, 0.6908,
0.0000

 215.2122,

 0.0000, 0.0000,

226.0524, 106.7255

0.0000

260.4415,
273.5879, 136.9929

■ 33.9734, 35.6344,
6.4540

■ 33.9734, 35.6344,
6.4540

■ 33.1202, 34.2301,
5.2390

■ 35.0004, 37.1459,
8.4693

■ 32.6109, 33.3268,
4.7139

■ 36.2216, 38.7689,
11.4024

■ 37.6569, 40.5131,
15.3536

■ 39.3230, 42.3855,
20.4093

■ 41.2346, 44.3922,
26.6469

■ 43.4054, 46.5390,
34.1366

■ 45.8478, 48.8312,
42.9434

■ 48.5735, 51.2738,
53.1276

■ 51.5933, 53.8713,
64.7456

Harmonies

Analogous

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



43.9698, 35.6344, 8.8734



33.9734, 35.6344, 6.4540



25.5969, 35.6344, 8.7626

Triad

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



33.9734, 35.6344, 6.4540



20.3331, 35.6344, 70.9417



52.2384, 35.6344, 71.7149

Complementary

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



33.9734, 35.6344, 6.4540



11.8899, 7.8492, 50.1781

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.



43.7560, 35.6344, 104.4314



33.9734, 35.6344, 6.4540



25.4480, 35.6344, 103.8569

Square

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



33.9734, 35.6344, 6.4540



18.6735, 35.6344, 38.5031



33.7657, 35.6344, 118.2952



55.6507, 35.6344, 39.0980

Rectangle

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



33.9734, 35.6344, 6.4540



21.7508, 35.6344, 13.8145



33.7657, 35.6344, 118.2952



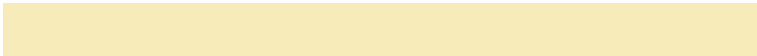
49.8158, 35.6344, 83.5308

Sweetspot

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



33.9742, 35.6361, 6.4547



76.8629, 82.5032, 58.0567



22.9991, 12.5083, 6.4269



16.5708, 17.8145, 11.6819



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



33.9742, 35.6361, 6.4547



58.2260, 59.3272, 8.3824



30.7367, 43.4720, 8.1378



10.1496, 10.7752, 10.1215



21.4908, 22.0205, 3.1177



0.8849, 0.9488, 0.1365

Inverse Universe

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



11.8899, 7.8492, 50.1781



18.0408, 9.1335, 89.0912



12.9854, 6.3749, 49.8358



9.1726, 9.5376, 12.0297



6.7187, 3.5492, 32.7238



0.3110, 0.2347, 1.2978

Previews

White Background



This preview shows how the XYZ color 33.9734, 35.6344, 6.4540 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 33.9734, 35.6344, 6.4540 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 33.9734, 35.6344, 6.4540

Background



This preview shows how black text looks on a background with the XYZ color 33.9734, 35.6344, 6.4540.



This preview shows how white text looks on a background with the XYZ color 33.9734, 35.6344,

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

33.9734, 35.6344, 6.4540

Protanopia

32.2509, 35.7742, 6.6442

Deuteranopia

36.3232, 35.6003, 6.5472



Tritanopia

40.1585, 35.4782, 37.0791

Trichromacy



Original Color

33.9734, 35.6344, 6.4540

Protanomaly

33.0270, 35.9138, 6.6302

Deuteranomaly

35.5633, 35.7003, 6.5298

Tritanomaly

36.7562, 35.0388, 20.1551

Monochromacy



Original Color

33.9734, 35.6344, 6.4540

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.4722, 32.7840, 19.4737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9734, 35.6344, 6.4540 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(191, 158, 32)` looks like.

```
.text, #text, p{  
    color:rgb(191, 158, 32)  
}
```

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(191, 158, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 158, 32) }
```

Border

The CSS property to change the border of an element to XYZ 33.9734, 35.6344, 6.4540 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(191, 158, 32) }
```


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

```
.border{ border-color:rgb(191, 158, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 158, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 158, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 158, 32);  
box-shadow:4px 4px 4px 4px rgb(191, 158,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9734, 35.6344, 6.4540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 158, 32) }
```

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

```
.background{ background-color: rgb(191,  
158, 32) }
```

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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