

Converting Colors

XYZ(34.5979, 45.4019, 7.5595)

Have a look what the booklet for
XYZ(34.5979, 45.4019, 7.5595)
contains.

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Color

**XYZ(34.6847, 45.5241,
7.5751)**

Conversions

Conversions Part 1

Format	Color
Hex	A7BF13
RGB	167, 191, 19
RGB Percent	65%, 75%, 7%
CMY	0.3451, 0.2510, 0.9254
CMYK	0.13, 0.00, 0.90, 0.25
HSL	68°, 82%, 41%
HSV	68°, 90%, 75%
XYZ	34.6847, 45.5241, 7.5751
YIQ	164.2160, 40.9080, -58.5800

Conversions

Conversions Part 2

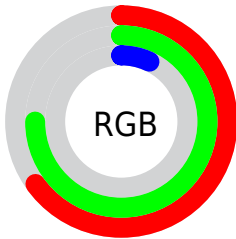
Format	Color
RYB	19, 191, 43
Decimal	10993427
CIELab	73.24, -27.33, 71.60
CIELCh	73, 76.638, 110.895
Yxy	45.5241, 0.3951, 0.5186
Android (android.graphics.Color)	4289183507 (0xFFA7BF13)
YUV	164.2160, -71.5915, 2.4416
Hunter-Lab	67.4715, -26.3148, 40.5735

Details

The XYZ color **34.6847, 45.5241, 7.5751** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **10.6347, 4.7421, 49.6478**, and the grayscale version is **35.7082, 37.5679, 40.9114**.

A 20% lighter version of the original color is **66.3451, 83.3784, 21.6137**, and **15.5189, 21.4920, 3.3304** is the 20% darker color. If you saturate the color by 10%, you get **34.0131, 45.1930, 6.9304**, and if you desaturate by 10%, it is **35.4889, 45.9132, 8.8351**.

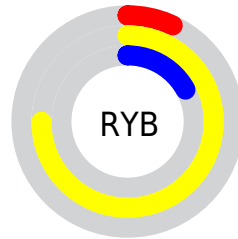
Distribution



Red (65%)

Green (75%)

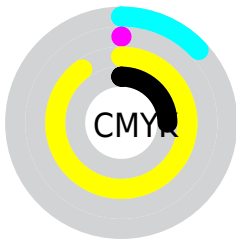
Blue (7%)



Red (7%)

Yellow (75%)

Blue (17%)

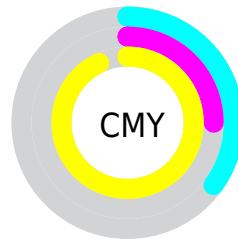


Cyan (13%)

Magenta (0%)

Yellow (90%)

Black (25%)



Cyan (35%)

Magenta (25%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6847, 45.5241, 7.5751 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 34.6847, 45.5241, 7.5751 by changing the saturation by 10% instead.


 34.6847, 45.5241,
7.5751


 34.6847, 45.5241,
7.5751


314.7069,
368.8921, 182.1686


 23.5855, 31.8704,
3.7404


 66.3343, 83.5063,
21.6534


 15.1495, 21.2626,
1.4841


 87.6153, 108.6037,
32.7341

 9.0114, 13.3161,
0.2060


 113.0210,
138.2844, 47.0673

 4.8058, 7.6465,
0.0000

 142.9168,
172.9328, 65.0714

 2.1673, 3.8696,
0.0000

 177.6679,
212.9334, 87.1651

 0.7254, 1.6009,
0.0000

 217.6397,

 0.0000, 0.3582,

258.6706, 113.7668

0.0000

263.1976,
310.5287, 145.2951

■ 0.0000, 0.0000,
0.0000

■ 34.6847, 45.5241,
7.5751

■ 34.6847, 45.5241,
7.5751

■ 34.0131, 45.1930,
6.9304

■ 35.4889, 45.9132,
8.8351

■ 36.4618, 46.3694,
10.9276

■ 37.6259, 46.9035,
13.9654

■ 38.9993, 47.5227,
18.0433

■ 40.5977, 48.2332,
23.2445

■ 42.4355, 49.0409,
29.6439

■ 44.5258, 49.9510,
37.3098

■ 46.8805, 50.9682,
46.3054

■ 49.5109, 52.0971,
56.6897

Harmonies

Analogous

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



47.4924, 45.5241, 6.5043



34.6847, 45.5241, 7.5751



26.1423, 45.5241, 15.9892

Triad

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



34.6847, 45.5241, 7.5751



28.9202, 45.5241, 132.1281



74.1610, 45.5241, 62.2374

Complementary

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



34.6847, 45.5241, 7.5751



10.6347, 4.7421, 49.6478

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.



66.6025, 45.5241, 112.5044



34.6847, 45.5241, 7.5751



39.3043, 45.5241, 164.5773

Square

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



34.6847, 45.5241, 7.5751



23.3251, 45.5241, 80.9580



53.1649, 45.5241, 155.9673



72.2090, 45.5241, 27.5650

Rectangle

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



34.6847, 45.5241, 7.5751



23.1425, 45.5241, 29.0621



53.1649, 45.5241, 155.9673



72.5986, 45.5241, 77.9789

Sweetspot

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



34.6857, 45.5262, 7.5761



76.9334, 88.2363, 56.4592



22.4308, 12.7762, 1.9006



16.6242, 19.2580, 11.4282



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.



34.6857, 45.5262, 7.5761



60.7581, 80.8560, 12.4045



22.2359, 39.1081, 6.9934



10.1878, 11.0512, 10.1728



22.4027, 29.7249, 4.5567



0.9141, 1.1832, 0.1802

Inverse Universe

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



10.6347, 4.7421, 49.6478



17.5197, 7.0861, 88.7235



18.5309, 8.8127, 50.0173



9.1371, 9.2875, 11.9833



6.5125, 2.6434, 32.5599



0.2955, 0.1244, 1.2773

Previews

White Background



This preview shows how the XYZ color 34.6847, 45.5241, 7.5751 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 34.6847, 45.5241, 7.5751 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 34.6847, 45.5241, 7.5751

Background



This preview shows how black text looks on a background with the XYZ color 34.6847, 45.5241, 7.5751.



This preview shows how white text looks on a background with the XYZ color 34.6847, 45.5241,

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

34.6847, 45.5241, 7.5751

Protanopia

40.7576, 45.2308, 6.9977

Deuteranopia

46.0727, 45.0518, 8.0178



Tritanopia

44.4909, 45.4703, 56.3009

Trichromacy



Original Color

34.6847, 45.5241, 7.5751

Protanomaly

38.2203, 45.1372, 7.1881

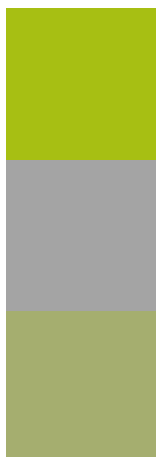
Deuteranomaly

41.3316, 44.9137, 7.7191

Tritanomaly

38.8004, 44.6821, 27.3484

Monochromacy



Original Color

34.6847, 45.5241, 7.5751

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.5223, 39.4191, 20.8808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6847, 45.5241, 7.5751 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(167, 191, 19)` looks like.

```
.text, #text, p{  
    color:rgb(167, 191, 19)  
}
```

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(167, 191, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 191, 19) }
```

Border

The CSS property to change the border of an element to XYZ 34.6847, 45.5241, 7.5751 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(167, 191, 19) }
```


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

```
.border{ border-color:rgb(167, 191, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 191, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 191, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 191, 19);  
box-shadow:4px 4px 4px 4px rgb(167, 191,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6847, 45.5241, 7.5751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 191, 19) }
```

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

```
.background{ background-color: rgb(167,  
191, 19) }
```

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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