

Converting Colors

XYZ(50.4807, 74.3746, 13.2295)

Have a look what the booklet for
XYZ(50.4807, 74.3746, 13.2295)
contains.

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Color

**XYZ(50.6203, 74.5343,
13.2320)**

Conversions

Conversions Part 1

Format	Color
Hex	AFF522
RGB	175, 245, 34
RGB Percent	69%, 96%, 13%
CMY	0.3137, 0.0392, 0.8666
CMYK	0.29, 0.00, 0.86, 0.04
HSL	80°, 91%, 55%
HSV	80°, 86%, 96%
XYZ	50.6203, 74.5343, 13.2320
YIQ	200.0160, 26.0110, -80.4610

Conversions

Conversions Part 2

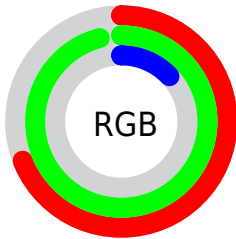
Format	Color
R_{YB}	34, 245, 104
Decimal	11531554
CIE _{Lab}	89.17, -48.05, 82.27
CIE _{LCh}	89, 95.274, 120.286
Yxy	74.5343, 0.3658, 0.5386
Android (android.graphics.Color)	4289721634 (0xFFAFF522)
YUV	200.0160, -81.8459, -21.9390
Hunter-Lab	86.3332, -46.4222, 51.3461

Details

The XYZ color **50.6203, 74.5343, 13.2320** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **22.7661, 10.6821, 87.2526**, and the grayscale version is **55.3894, 58.2740, 63.4604**.

A 20% lighter version of the original color is **72.4691, 90.1614, 26.4153**, and **25.1857, 39.6794, 6.3315** is the 20% darker color. If you saturate the color by 10%, you get **48.6151, 73.5303, 11.9037**, and if you desaturate by 10%, it is **52.9900, 75.7020, 15.8911**.

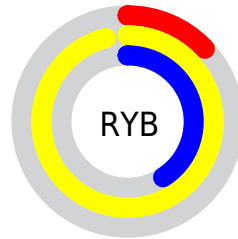
Distribution



Red (69%)

Green (96%)

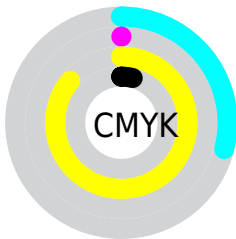
Blue (13%)



Red (13%)

Yellow (96%)

Blue (41%)

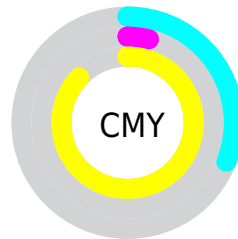


Cyan (29%)

Magenta (0%)

Yellow (86%)

Black (4%)



Cyan (31%)


Magenta (4%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6203, 74.5343, 13.2320 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 50.6203, 74.5343, 13.2320 by changing the saturation by 10% instead.


 50.6203, 74.5343,
13.2320


 50.6203, 74.5343,
13.2320


379.4988,
476.3154, 223.6590

 36.1263, 55.2315,
7.4559


 90.2796, 125.6529,
32.4172


 24.7023, 39.5871,
3.6661


 116.1756,
158.2375, 46.6634


 15.9830, 27.2167,
1.4440


 146.6031,
196.0181, 64.5701

 9.6029, 17.7361,
0.1757

 181.9273,
239.3791, 86.5557

 5.1967, 10.7607,
0.0000

 222.5136,
288.7050, 113.0389

 2.3991, 5.9061,
0.0000

268.7274,

 0.8446, 2.7881,

344.3800, 144.4382

0.0000

320.9340,
406.7887, 181.1720

■ 0.0000, 1.0221,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.6203, 74.5343,
13.2320

■ 50.6203, 74.5343,
13.2320

■ 48.6151, 73.5303,
11.9037

■ 52.9900, 75.7020,
15.8911

■ 47.9048, 73.1702,
11.5984

■ 55.7667, 77.0427,
20.1183

■ 58.9911, 78.5757,
26.1102

■ 62.6966, 80.3144,
34.0335

66.9129, 82.2710,
44.0358

71.6670, 84.4564,
56.2500

76.9837, 86.8807,
70.7983

82.8860, 89.5534,
87.7937

89.3957, 92.4834,
107.3420

Harmonies

Analogous

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



70.6198, 74.5343, 8.6759



50.6203, 74.5343, 13.2320



38.7004, 74.5343, 32.8294

Triad

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



50.6203, 74.5343, 13.2320



50.9297, 74.5343, 250.6596



125.5512, 74.5343, 80.5180

Complementary

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



50.6203, 74.5343, 13.2320



22.7661, 10.6821, 87.2526

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.



117.1461, 74.5343, 162.5053



50.6203, 74.5343, 13.2320



71.0659, 74.5343, 288.0469

Square

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



50.6203, 74.5343, 13.2320



38.8496, 74.5343, 164.2694



95.8398, 74.5343, 249.3072



116.8344, 74.5343, 32.2279

Rectangle

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



50.6203, 74.5343, 13.2320



35.3079, 74.5343, 61.4288



95.8398, 74.5343, 249.3072



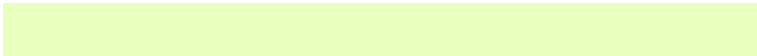
124.6165, 74.5343, 104.7082

Sweetspot

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



50.6220, 74.5376, 13.2336



78.5176, 92.5050, 61.6905



42.5841, 28.8031, 4.8296



16.4042, 19.6157, 12.1487



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



50.6220, 74.5376, 13.2336



52.4223, 80.1097, 12.6998



35.6677, 66.8284, 12.5337



17.3493, 19.0221, 17.5548



25.9586, 39.4949, 6.2551



2.3900, 3.5271, 0.5548

Inverse Universe

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



22.7661, 10.6821, 87.2526



21.7609, 9.1330, 95.2237



42.5983, 20.9060, 88.1807



16.0991, 16.1938, 20.8198



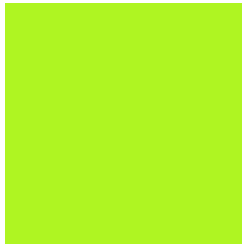
10.8507, 4.5681, 46.8479



1.0580, 0.4553, 4.1223

Previews

White Background



This preview shows how the XYZ color 50.6203, 74.5343, 13.2320 looks on a white background.

Color Contrast Check

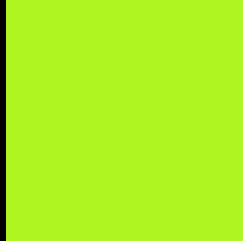
Large Text (above 18pt) WCAG AA × Fail

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 50.6203, 74.5343, 13.2320 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 50.6203, 74.5343, 13.2320

Background



This preview shows how black text looks on a background with the XYZ color 50.6203, 74.5343, 13.2320.



This preview shows how white text looks on a background with the XYZ color 50.6203, 74.5343,

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

50.6203, 74.5343, 13.2320

Protanopia

66.6371, 73.8997, 11.7888

Deuteranopia

72.6637, 73.5301, 45.0133



Tritanopia

67.6667, 74.1464, 97.9340

Trichromacy



Original Color

50.6203, 74.5343, 13.2320



Protanomaly

59.5224, 73.4949, 12.2771



Deuteranomaly

61.9855, 72.3679, 27.2244



Tritanomaly

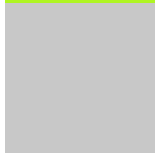
57.8195, 72.6574, 48.5130

Monochromacy



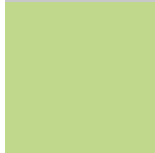
Original Color

50.6203, 74.5343, 13.2320



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

50.7753, 62.0815, 34.1177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6203, 74.5343, 13.2320 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(175, 245, 34)` looks like.

```
.text, #text, p{  
    color:rgb(175, 245, 34)  
}
```

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(175, 245, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 245, 34) }
```

Border

The CSS property to change the border of an element to XYZ 50.6203, 74.5343, 13.2320 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(175, 245, 34) }
```


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

```
.border{ border-color:rgb(175, 245, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 245, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 245, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 245, 34);  
box-shadow:4px 4px 4px 4px rgb(175, 245,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6203, 74.5343, 13.2320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 245, 34) }
```

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

```
.background{ background-color: rgb(175,  
245, 34) }
```

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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