

Converting Colors

XYZ(50.9594, 69.3758, 36.6932)

Have a look what the booklet for
XYZ(50.9594, 69.3758, 36.6932)
contains.

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Color

**XYZ(50.9583, 69.3749,
36.6915)**

Conversions

Conversions Part 1

Format	Color
Hex	AAEA8F
RGB	170, 234, 143
RGB Percent	67%, 92%, 56%
CMY	0.3333, 0.0823, 0.4392
CMYK	0.27, 0.00, 0.39, 0.08
HSL	102°, 68%, 74%
HSV	102°, 39%, 92%
XYZ	50.9583, 69.3749, 36.6915
YIQ	204.4900, -8.9330, -41.8690

Conversions

Conversions Part 2

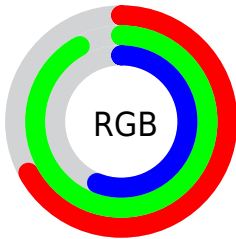
Format	Color
RYB	143, 234, 207
Decimal	11201167
CIELab	86.69, -36.44, 37.87
CIElCh	87, 52.556, 133.892
Yxy	69.3749, 0.3245, 0.4418
Android (android.graphics.Color)	4289391247 (0xFFAAEA8F)
YUV	204.4900, -30.3146, -30.2477
Hunter-Lab	83.2916, -36.5529, 32.1858

Details

The XYZ color **50.9583, 69.3749, 36.6915** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.4090, 38.8529, 82.6883**, and the grayscale version is **57.8963, 60.9115, 66.3326**.

A 20% lighter version of the original color is **77.6316, 91.9281, 67.0784**, and **24.8790, 36.2410, 15.5815** is the 20% darker color. If you saturate the color by 10%, you get **46.0298, 67.0201, 28.1531**, and if you desaturate by 10%, it is **56.7056, 72.1132, 47.2011**.

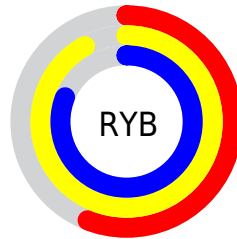
Distribution



Red (67%)

Green (92%)

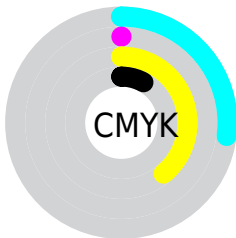
Blue (56%)



Red (56%)

Yellow (92%)

Blue (81%)

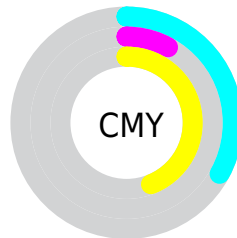


Cyan (27%)

Magenta (0%)

Yellow (39%)

Black (8%)



Cyan (33%)

Magenta (8%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9583, 69.3749, 36.6915 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 50.9583, 69.3749, 36.6915 by changing the saturation by 10% instead.


 50.9583, 69.3749,
36.6915


 50.9583, 69.3749,
36.6915


380.7921,
458.3521, 347.1013

 36.3963, 51.0171,
24.6748


 90.7765, 118.3169,
71.2791

 24.9120, 36.2222,
15.6181


 116.7634,
149.6699, 94.6870

 16.1399, 24.6059,
9.1029


147.2894,
186.1233, 122.7292

 9.7147, 15.7837,
4.7106

182.7197,
228.0617, 155.8240

 5.2710, 9.3712,
2.0228

223.4198,
275.8694, 194.3901

 2.4435, 4.9841,
0.5692


269.7550,

 0.8669, 2.2379,

329.9307, 238.8460

0.0000


322.0906,
390.6302, 289.6102


 0.0000, 0.7406,
0.0000


 0.0000, 0.0000,
0.0000


 50.9583, 69.3749,
36.6915


 50.9583, 69.3749,
36.6915


 46.0298, 67.0201,
28.1531


 56.7056, 72.1132,
47.2011


 41.8752, 65.0222,
21.4585

 63.3031, 75.2425,
59.7896

 38.4531, 63.3649,
16.4728

 70.7869, 78.7813,
74.5622

 35.7155, 62.0268,
13.0402

 79.1894, 82.7442,
91.6157

■ 33.6077, 60.9837,
10.9770

■ 87.7249, 86.8185,
106.7418

■ 32.0555, 60.2033,
10.0056

■ 88.7143, 87.3285,
106.7881

■ 31.9086, 60.1293,
9.9244

Harmonies

Analogous

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



60.4588, 69.3749, 27.2466



50.9583, 69.3749, 36.6915



45.8492, 69.3749, 58.3688

Triad

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



50.9583, 69.3749, 36.6915



59.6343, 69.3749, 160.3471



91.4688, 69.3749, 60.5108

Complementary

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



50.9583, 69.3749, 36.6915



50.4090, 38.8529, 82.6883

Split Complementary

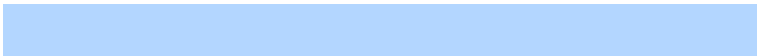
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.1767, 69.3749, 95.7804



50.9583, 69.3749, 36.6915



71.7403, 69.3749, 161.4620

Square

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



50.9583, 69.3749, 36.6915



50.4192, 69.3749, 132.4304



83.6002, 69.3749, 135.1235



84.3550, 69.3749, 37.8402

Rectangle

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



50.9583, 69.3749, 36.6915



45.1714, 69.3749, 80.1957



83.6002, 69.3749, 135.1235



92.2582, 69.3749, 71.0632

Sweetspot

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



50.9600, 69.3779, 36.6930



83.0295, 94.3278, 84.6367



61.1327, 63.9591, 35.1109



17.5126, 20.0676, 17.6025



0.0000, 0.0000, 0.0000



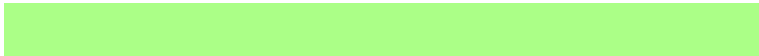
20.3446, 21.4041, 23.3091

Same Dimension

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



50.9600, 69.3779, 36.6930



56.8744, 81.8984, 35.7875



47.2034, 67.2688, 44.3085



15.2883, 17.0787, 16.0095



18.0400, 33.8444, 5.5818



1.5101, 2.7058, 0.4427

Inverse Universe

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



50.4090, 38.8529, 82.6883



56.0821, 39.7189, 99.3184



56.1256, 42.0868, 69.9988



15.2544, 15.0764, 19.0283



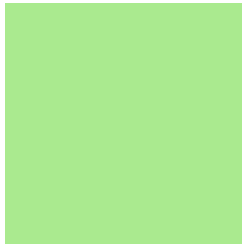
17.1484, 7.8762, 44.3594



1.4423, 0.6678, 3.4878

Previews

White Background



This preview shows how the XYZ color 50.9583, 69.3749, 36.6915 looks on a white background.

Color Contrast Check

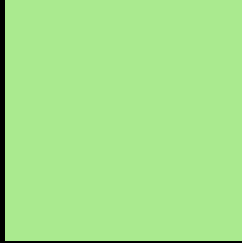
Large Text (above 18pt) WCAG AA × Fail

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 50.9583, 69.3749, 36.6915 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 50.9583, 69.3749, 36.6915

Background



This preview shows how black text looks on a background with the XYZ color 50.9583, 69.3749, 36.6915.



This preview shows how white text looks on a background with the XYZ color 50.9583, 69.3749,

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

50.9583, 69.3749, 36.6915

Protanopia

63.5919, 68.7222, 33.2056

Deuteranopia

69.7966, 68.7721, 41.0481



Tritanopia

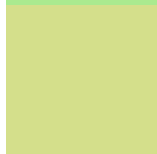
62.0992, 68.9729, 92.4782

Trichromacy



Original Color

50.9583, 69.3749, 36.6915



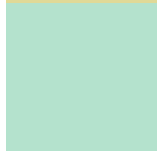
Protanomaly

58.1993, 68.6365, 34.6068



Deuteranomaly

61.1392, 67.7074, 39.1246



Tritanomaly

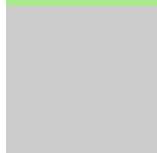
57.0382, 68.5038, 67.9739

Monochromacy



Original Color

50.9583, 69.3749, 36.6915



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

54.4822, 63.1847, 53.5803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9583, 69.3749, 36.6915 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(170, 234, 143)` looks like.

```
.text, #text, p{  
    color:rgb(170, 234, 143)  
}
```

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(170, 234, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 234, 143) }
```

Border

The CSS property to change the border of an element to XYZ 50.9583, 69.3749, 36.6915 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(170, 234, 143) }
```


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

```
.border{ border-color:rgb(170, 234, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 234, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 234, 143); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 234, 143); box-shadow:4px 4px 4px 4px rgb(170, 234, 143) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9583, 69.3749, 36.6915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 234, 143) }
```

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

```
.background{ background-color: rgb(170,  
234, 143) }
```

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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