

Converting Colors

XYZ(43.8011, 64.0587, 34.1005)

Have a look what the booklet for
XYZ(43.8011, 64.0587, 34.1005)
contains.

XYZ(43.8688, 64.0913, 34.1035)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(43.8688, 64.0913,
34.1035)**

Conversions

Conversions Part 1

Format	Color
Hex	8DE68A
RGB	141, 230, 138
RGB Percent	55%, 90%, 54%
CMY	0.4471, 0.0980, 0.4588
CMYK	0.39, 0.00, 0.40, 0.10
HSL	118°, 65%, 72%
HSV	118°, 40%, 90%
XYZ	43.8688, 64.0913, 34.1035
YIQ	192.9010, -23.5120, -47.4800

Conversions

Conversions Part 2

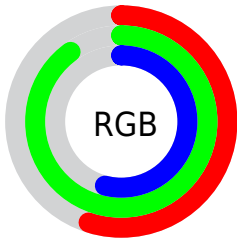
Format	Color
RYB	138, 230, 227
Decimal	9299594
CIELab	84.01, -44.69, 36.61
CIELCh	84, 57.770, 140.672
Yxy	64.0913, 0.3088, 0.4511
Android (android.graphics.Color)	4287489674 (0xFF8DE68A)
YUV	192.9010, -27.0662, -45.5172
Hunter-Lab	80.0570, -42.2873, 30.7830

Details

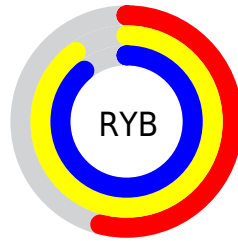
The XYZ color **43.8688, 64.0913, 34.1035** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **55.0528, 40.2230, 79.7284**, and the grayscale version is **50.7957, 53.4410, 58.1973**.

A 20% lighter version of the original color is **68.5631, 87.3315, 63.1122**, and **20.6027, 32.8915, 14.2796** is the 20% darker color. If you saturate the color by 10%, you get **38.9662, 61.7383, 26.0833**, and if you desaturate by 10%, it is **49.8873, 66.9826, 44.0192**.

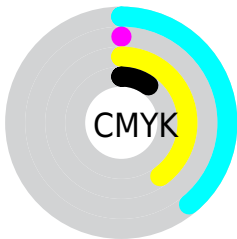
Distribution



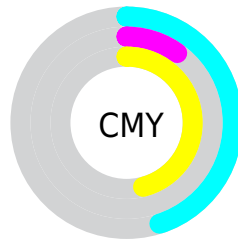
- Red (55%)
- Green (90%)
- Blue (54%)



- Red (54%)
- Yellow (90%)
- Blue (89%)



- Cyan (39%)
- Magenta (0%)
- Yellow (40%)
- Black (10%)





- Cyan (45%)
- Magenta (10%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.8688, 64.0913, 34.1035 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 43.8688, 64.0913, 34.1035 by changing the saturation by 10% instead.

 43.8688, 64.0913,
34.1035

 43.8688, 64.0913,
34.1035


353.0339,
439.5193, 335.3765


 30.7648, 46.7246,
22.6951


 80.2679, 110.7424,
67.2303

 20.5708, 32.8180,
14.1654


 104.2937,
140.7956, 89.7858

 12.9213, 21.9871,
8.0957


 132.6908,
175.8465, 116.8942

 7.4510, 13.8474,
4.0676

165.8246,
216.2794, 148.9738

 3.7945, 8.0146,
1.6625

204.0605,
262.4787, 186.4433

 1.5866, 4.1043,
0.3348

247.7637,

 0.3836, 1.7321,

314.8289, 229.7213

0.0000

297.2998,
373.7143, 279.2262

■ 0.0000, 0.4443,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.8688, 64.0913,
34.1035

■ 43.8688, 64.0913,
34.1035

■ 38.9662, 61.7383,
26.0833

■ 49.8873, 66.9826,
44.0192

■ 35.1065, 59.8828,
19.8339

■ 57.0793, 70.4339,
55.9360

■ 32.2155, 58.4916,
15.2225

■ 65.5042, 74.4755,
69.9568

■ 30.2073, 57.5234,
12.0959

■ 75.2162, 79.1333,
86.1761

■ 28.9808, 56.9302,
10.2718

■ 86.2658, 84.4314,
104.6828

■ 28.3919, 56.6445,
9.4371

■ 87.5881, 85.0761,
106.4127

Harmonies

Analogous

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



52.6740, 64.0913, 22.5822



43.8688, 64.0913, 34.1035



39.8052, 64.0913, 59.0219

Triad

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



43.8688, 64.0913, 34.1035



57.0328, 64.0913, 164.3976



86.8235, 64.0913, 47.8376

Complementary

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



43.8688, 64.0913, 34.1035



55.0528, 40.2230, 79.7284

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.



88.4199, 64.0913, 81.7819



43.8688, 64.0913, 34.1035



69.9777, 64.0913, 158.1264

Square

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



43.8688, 64.0913, 34.1035



46.6767, 64.0913, 139.3130



81.8924, 64.0913, 124.3418



77.7935, 64.0913, 28.3759

Rectangle

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



43.8688, 64.0913, 34.1035



39.8804, 64.0913, 83.5953



81.8924, 64.0913, 124.3418



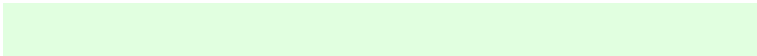
88.2921, 64.0913, 57.5853

Sweetspot

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



43.8704, 64.0940, 34.1049



80.4442, 92.9950, 84.5157



64.6743, 73.5629, 34.8361



16.9088, 19.7563, 17.5743



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.



43.8704, 64.0940, 34.1049



50.2154, 78.4861, 34.5484



47.1137, 65.3332, 53.8095



14.2325, 16.1114, 15.2641



16.0929, 32.0777, 5.3434



1.2046, 2.3784, 0.3956

Inverse Universe

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



55.0528, 40.2230, 79.7284



66.1703, 44.3969, 99.6896



50.7006, 38.5923, 51.8300



14.9462, 14.5900, 18.1727



25.2496, 12.0825, 43.3845



1.8805, 0.9004, 3.2067

Previews

White Background



This preview shows how the XYZ color 43.8688, 64.0913, 34.1035 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 43.8688, 64.0913, 34.1035 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 43.8688, 64.0913, 34.1035

Background



This preview shows how black text looks on a background with the XYZ color 43.8688, 64.0913, 34.1035.



This preview shows how white text looks on a background with the XYZ color 43.8688, 64.0913,

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

43.8688, 64.0913, 34.1035

Protanopia

58.2637, 63.0543, 30.2190

Deuteranopia

64.2457, 62.8476, 35.5328



Tritanopia

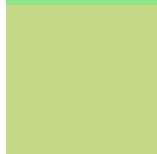
54.7089, 63.6725, 88.7634

Trichromacy



Original Color

43.8688, 64.0913, 34.1035



Protanomaly

51.5545, 62.5410, 31.5447



Deuteranomaly

54.2236, 61.6015, 34.6236



Tritanomaly

49.6835, 63.1850, 64.2209

Monochromacy



Original Color

43.8688, 64.0913, 34.1035



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

47.0697, 56.1584, 47.8940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.8688, 64.0913, 34.1035 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(141, 230, 138)` looks like.

```
.text, #text, p{  
    color:rgb(141, 230, 138)  
}
```

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(141, 230, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 230, 138) }
```

Border

The CSS property to change the border of an element to XYZ 43.8688, 64.0913, 34.1035 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(141, 230, 138) }
```


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

```
.border{ border-color:rgb(141, 230, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 230, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 230, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 230, 138);  
box-shadow:4px 4px 4px 4px rgb(141, 230,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 43.8688, 64.0913, 34.1035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 230, 138) }
```

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

```
.background{ background-color: rgb(141,  
230, 138) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor