

Converting Colors

XYZ(51.6779, 65.6576, 34.0556)

Have a look what the booklet for
XYZ(51.6779, 65.6576, 34.0556)
contains.

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Color

**XYZ(51.7366, 65.7111,
34.0015)**

Conversions

Conversions Part 1

Format	Color
Hex	BBE08A
RGB	187, 224, 138
RGB Percent	73%, 88%, 54%
CMY	0.2667, 0.1215, 0.4588
CMYK	0.17, 0.00, 0.38, 0.12
HSL	86°, 58%, 71%
HSV	86°, 38%, 88%
XYZ	51.7366, 65.7111, 34.0015
YIQ	203.1330, 5.5540, -34.5900

Conversions

Conversions Part 2

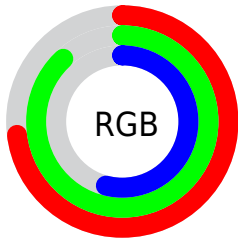
Format	Color
RYB	138, 224, 175
Decimal	12312714
CIELab	84.85, -26.45, 38.19
CIELCh	85, 46.452, 124.703
Yxy	65.7111, 0.3416, 0.4339
Android (android.graphics.Color)	4290502794 (0xFFBBE08A)
YUV	203.1330, -32.1106, -14.1486
Hunter-Lab	81.0624, -27.9348, 31.8746

Details

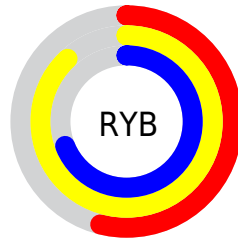
The XYZ color **51.7366, 65.7111, 34.0015** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.2250, 32.6747, 74.7115**, and the grayscale version is **57.0428, 60.0134, 65.3546**.

A 20% lighter version of the original color is **82.5827, 94.5589, 63.7683**, and **25.4240, 33.9696, 14.2336** is the 20% darker color. If you saturate the color by 10%, you get **48.0003, 63.9555, 26.2167**, and if you desaturate by 10%, it is **55.9690, 67.6879, 43.5581**.

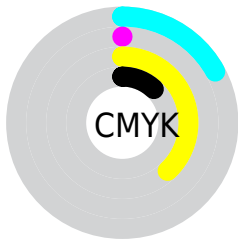
Distribution



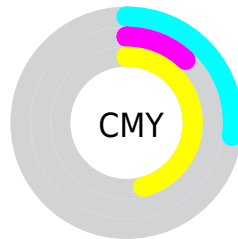
- Red (73%)
- Green (88%)
- Blue (54%)



- Red (54%)
- Yellow (88%)
- Blue (69%)



- Cyan (17%)
- Magenta (0%)
- Yellow (38%)
- Black (12%)





- Cyan (27%)
- Magenta (12%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.7366, 65.7111, 34.0015 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 51.7366, 65.7111, 34.0015 by changing the saturation by 10% instead.


 51.7366, 65.7111,
34.0015


 51.7366, 65.7111,
34.0015


383.7596,
445.3430, 334.9081

 37.0186, 48.0379,
22.6174


 91.9192, 113.0716,
67.0699

 25.3956, 33.8569,
14.1086


 118.1145,
143.5277, 89.5913

 16.5024, 22.7837,
8.0566


 148.8662,
179.0135, 116.6622

 9.9734, 14.4339,
4.0429

184.5398,
219.9135, 148.7011

 5.4435, 8.4230,
1.6489

225.5006,
266.6121, 186.1266

 2.5471, 4.3668,
0.3254

272.1139,

 0.9191, 1.8808,

319.4936, 229.3573

0.0000

324.7451,
378.9424, 278.8116

0.0000, 0.5368,
0.0000

0.0000, 0.0000,
0.0000

51.7366, 65.7111,
34.0015

51.7366, 65.7111,
34.0015

48.0003, 63.9555,
26.2167

55.9690, 67.6879,
43.5581

44.7314, 62.4025,
20.0901


60.7145, 69.8863,
54.9821

41.9052, 61.0442,
15.5019


65.9951, 72.3178,
68.3673


39.4925, 59.8684,
12.3141


71.8302, 74.9904,
83.8001


 37.4589, 58.8611,
10.3643


 78.2377, 77.9115,
101.3616

 35.7558, 58.0024,
9.4144

 82.3043, 79.9162,
105.6952

 35.5022, 57.8739,
9.2996

 85.7521, 81.6936,
105.8566

 85.9471, 81.7941,
105.8657

Harmonies

Analogous

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



60.8291, 65.7111, 28.2641



51.7366, 65.7111, 34.0015



46.0466, 65.7111, 49.7356

Triad

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



51.7366, 65.7111, 34.0015



54.2853, 65.7111, 136.9228



84.6123, 65.7111, 66.9489

Complementary

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



51.7366, 65.7111, 34.0015



40.2250, 32.6747, 74.7115

Split Complementary

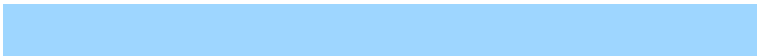
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.3642, 65.7111, 98.9554



51.7366, 65.7111, 34.0015



64.1125, 65.7111, 145.2653

Square

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



51.7366, 65.7111, 34.0015



47.3993, 65.7111, 109.4121



74.5633, 65.7111, 129.8030



80.4058, 65.7111, 43.6152

Rectangle

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



51.7366, 65.7111, 34.0015



44.5655, 65.7111, 66.3838



74.5633, 65.7111, 129.8030



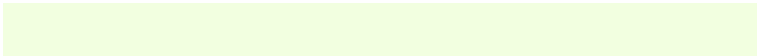
84.5902, 65.7111, 76.9738

Sweetspot

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



51.7382, 65.7140, 34.0029



85.8297, 95.7713, 84.7678



50.4343, 47.8924, 30.6317



18.1703, 20.4066, 17.6333



0.0000, 0.0000, 0.0000



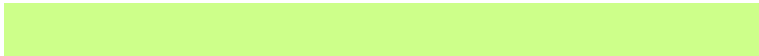
20.3446, 21.4041, 23.3091

Same Dimension

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



51.7382, 65.7140, 34.0029



65.3727, 86.2585, 37.1351



42.9516, 61.1843, 33.5917



14.2725, 15.7206, 14.5889



20.7979, 33.7542, 5.4191



1.5436, 2.3922, 0.3804

Inverse Universe

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



40.2250, 32.6747, 74.7115



47.8769, 36.0242, 99.0377



51.1113, 38.2868, 75.2209



13.5086, 13.5302, 17.2873



10.7888, 4.6572, 41.3786



0.8489, 0.3749, 2.8729

Previews

White Background



This preview shows how the XYZ color 51.7366, 65.7111, 34.0015 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 51.7366, 65.7111, 34.0015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

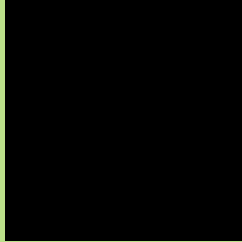
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.7366, 65.7111, 34.0015

Background



This preview shows how black text looks on a background with the XYZ color 51.7366, 65.7111, 34.0015.



This preview shows how white text looks on a background with the XYZ color 51.7366, 65.7111,

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

51.7366, 65.7111, 34.0015

Protanopia

60.1610, 65.1050, 31.5860

Deuteranopia

66.5865, 65.1069, 35.0440



Tritanopia

61.8966, 65.5810, 84.2590

Trichromacy



Original Color

51.7366, 65.7111, 34.0015

Protanomaly

56.6606, 65.1571, 32.5119

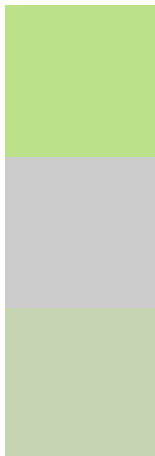
Deuteranomaly

60.1674, 64.6743, 34.5115

Tritanomaly

57.3966, 65.2590, 62.3945

Monochromacy



Original Color

51.7366, 65.7111, 34.0015

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

54.4569, 61.7135, 51.6895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7366, 65.7111, 34.0015 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(187, 224, 138)` looks like.

```
.text, #text, p{  
    color:rgb(187, 224, 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(187, 224, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 224, 138) }
```

Border

The CSS property to change the border of an element to XYZ 51.7366, 65.7111, 34.0015 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(187, 224, 138) }
```


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

```
.border{ border-color:rgb(187, 224, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 224, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 224, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 224, 138); box-shadow:4px 4px 4px 4px rgb(187, 224, 138) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7366, 65.7111, 34.0015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 224, 138) }
```

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

```
.background{ background-color: rgb(187,  
224, 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](#).

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