

Converting Colors

XYZ(48.1033, 64.2578, 14.8687)

Have a look what the booklet for
XYZ(48.1033, 64.2578, 14.8687)
contains.

XYZ(48.1033, 64.2578, 14.8687)	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(48.1033, 64.2578,
14.8687)**

Conversions

Conversions Part 1

Format	Color
Hex	BBE041
RGB	187, 224, 65
RGB Percent	73%, 88%, 25%
CMY	0.2667, 0.1215, 0.7451
CMYK	0.17, 0.00, 0.71, 0.12
HSL	74°, 72%, 57%
HSV	74°, 71%, 88%
XYZ	48.1033, 64.2578, 14.8687
YIQ	194.8110, 28.9870, -57.2930

Conversions

Conversions Part 2

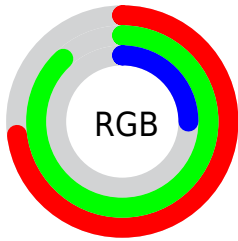
Format	Color
RYB	65, 224, 102
Decimal	12312641
CIELab	84.10, -33.01, 69.59
CIELCh	84, 77.025, 115.374
Yxy	64.2578, 0.3781, 0.5051
Android (android.graphics.Color)	4290502721 (0xFFBBE041)
YUV	194.8110, -63.9968, -6.8502
Hunter-Lab	80.1610, -33.1667, 45.1152

Details

The XYZ color **48.1033, 64.2578, 14.8687** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **20.8267, 11.9888, 71.7413**, and the grayscale version is **52.1178, 54.8320, 59.7121**.

A 20% lighter version of the original color is **77.2789, 92.5180, 32.1971**, and **23.3939, 33.1218, 5.1602** is the 20% darker color. If you saturate the color by 10%, you get **46.3268, 63.4048, 12.0444**, and if you desaturate by 10%, it is **50.1863, 65.2433, 19.0522**.

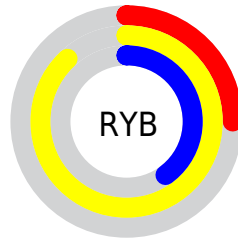
Distribution



Red (73%)

Green (88%)

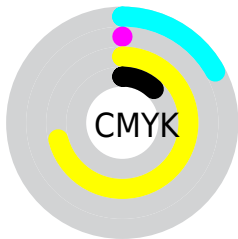
Blue (25%)



Red (25%)

Yellow (88%)

Blue (40%)

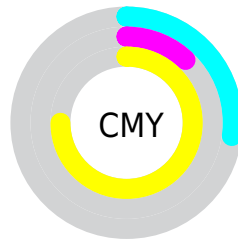


Cyan (17%)

Magenta (0%)

Yellow (71%)

Black (12%)



Cyan (27%)


Magenta (12%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1033, 64.2578, 14.8687 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 48.1033, 64.2578, 14.8687 by changing the saturation by 10% instead.


 48.1033, 64.2578,
14.8687


 48.1033, 64.2578,
14.8687


369.7772,
440.1200, 234.1835


 34.1203, 46.8595,
8.5817


 86.5670, 110.9821,
35.3617

 23.1494, 32.9246,
4.3763


 111.7783,
141.0770, 50.4048


 14.8251, 22.0687,
1.8340


 141.4632,
176.1727, 69.2037

 8.7823, 13.9074,
0.4502

 175.9868,
216.6539, 92.1768

 4.6554, 8.0563,
0.0000

 215.7147,
262.9048, 119.7429

 2.0792, 4.1310,
0.0000

261.0122,

 0.6779, 1.7471,

315.3099, 152.3203

0.0000

312.2446,
374.2535, 190.3276

0.0000, 0.4539,
0.0000

0.0000, 0.0000,
0.0000

48.1033, 64.2578,
14.8687

48.1033, 64.2578,
14.8687

46.3268, 63.4048,
12.0444

50.1863, 65.2433,
19.0522


44.8194, 62.6625,
10.4042


52.5989, 66.3638,
24.7340


43.6418, 62.0702,
9.6806


55.3669, 67.6319,
32.0404


58.5119, 69.0564,
41.0833

 62.0539, 70.6451,
51.9647

 66.0110, 72.4056,
64.7787

 70.4004, 74.3446,
79.6129

 75.2382, 76.4687,
96.5497

 78.6131, 78.0134,
105.5225

Harmonies

Analogous

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



63.7514, 64.2578, 11.9709



48.1033, 64.2578, 14.8687



37.9196, 64.2578, 29.0943

Triad

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



48.1033, 64.2578, 14.8687



44.3106, 64.2578, 178.8257



99.8233, 64.2578, 77.7964

Complementary

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



48.1033, 64.2578, 14.8687



20.8267, 11.9888, 71.7413

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.



92.1385, 64.2578, 137.8347



48.1033, 64.2578, 14.8687



58.4748, 64.2578, 211.0331

Square

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



48.1033, 64.2578, 14.8687



36.0319, 64.2578, 118.2755



76.1915, 64.2578, 193.3245



95.6523, 64.2578, 37.0108

Rectangle

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



48.1033, 64.2578, 14.8687



34.5779, 64.2578, 48.8770



76.1915, 64.2578, 193.3245



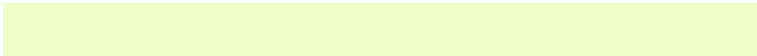
98.5063, 64.2578, 96.3861

Sweetspot

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



48.1048, 64.2607, 14.8701



83.1581, 94.7306, 69.4382



36.2016, 25.2402, 7.9657



17.5052, 20.1447, 13.9417



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.



48.1048, 64.2607, 14.8701



61.1676, 84.5772, 14.9561



34.0488, 57.0145, 14.2122



14.5436, 15.8604, 14.6016



25.5070, 36.1819, 5.6394



1.8446, 2.5474, 0.3945

Inverse Universe

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



20.8267, 11.9888, 71.7413



22.8419, 10.7312, 95.4752



33.9260, 18.7418, 72.3543



13.2491, 13.3965, 17.2752



8.7440, 3.6030, 41.2830



0.6845, 0.2902, 2.8652

Previews

White Background



This preview shows how the XYZ color 48.1033, 64.2578, 14.8687 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 48.1033, 64.2578, 14.8687 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 48.1033, 64.2578, 14.8687

Background



This preview shows how black text looks on a background with the XYZ color 48.1033, 64.2578, 14.8687.

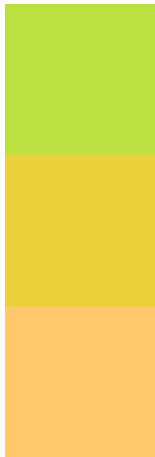


This preview shows how white text looks on a background with the XYZ color 48.1033, 64.2578, 14.8687.

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

48.1033, 64.2578, 14.8687

Protanopia

58.1498, 64.0923, 13.7211

Deuteranopia

64.4958, 63.6092, 22.5142



Tritanopia

61.4298, 63.9293, 81.0534

Trichromacy



Original Color

48.1033, 64.2578, 14.8687

Protanomaly

54.0834, 63.8541, 14.0320

Deuteranomaly

57.3219, 63.1793, 19.0712

Tritanomaly

54.3103, 62.8889, 45.8355

Monochromacy



Original Color

48.1033, 64.2578, 14.8687

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

49.1548, 57.4872, 36.5224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1033, 64.2578, 14.8687 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, 65)` looks like.

```
.text, #text, p{  
    color:rgb(187, 224, 65)  
}
```

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, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 224, 65) }
```

Border

The CSS property to change the border of an element to XYZ 48.1033, 64.2578, 14.8687 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, 65) }
```


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

```
.border{ border-color:rgb(187, 224, 65) }
```

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, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 224, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 224, 65);  
box-shadow:4px 4px 4px 4px rgb(187, 224,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1033, 64.2578, 14.8687 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, 65) }
```

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

```
.background{ background-color: rgb(187,  
224, 65) }
```

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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