

Converting Colors

XYZ(49.1096, 65.8764, 20.0260)

Have a look what the booklet for
XYZ(49.1096, 65.8764, 20.0260)
contains.

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Color

**XYZ(49.1246, 65.8838,
20.0252)**

Conversions

Conversions Part 1

Format	Color
Hex	B8E35B
RGB	184, 227, 91
RGB Percent	72%, 89%, 36%
CMY	0.2784, 0.1098, 0.6431
CMYK	0.19, 0.00, 0.60, 0.11
HSL	79°, 71%, 62%
HSV	79°, 60%, 89%
XYZ	49.1246, 65.8838, 20.0252
YIQ	198.6390, 18.0280, -51.4120

Conversions

Conversions Part 2

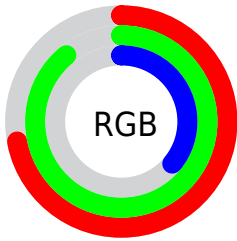
Format	Color
RYB	91, 227, 134
Decimal	12116827
CIELab	84.94, -33.82, 60.29
CIELCh	85, 69.128, 119.287
Yxy	65.8838, 0.3638, 0.4879
Android (android.graphics.Color)	4290306907 (0xFFB8E35B)
YUV	198.6390, -53.0660, -12.8384
Hunter-Lab	81.1688, -34.0146, 42.1907

Details

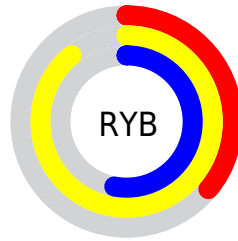
The XYZ color **49.1246, 65.8838, 20.0252** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **27.4402, 18.0982, 74.7238**, and the grayscale version is **54.3732, 57.2048, 62.2961**.

A 20% lighter version of the original color is **77.5663, 92.4726, 40.9549**, and **23.7395, 33.8248, 6.7165** is the 20% darker color. If you saturate the color by 10%, you get **46.6141, 64.6883, 15.5468**, and if you desaturate by 10%, it is **52.0217, 67.2487, 26.0700**.

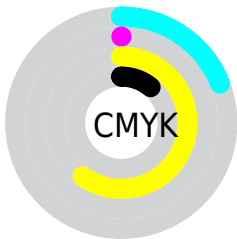
Distribution



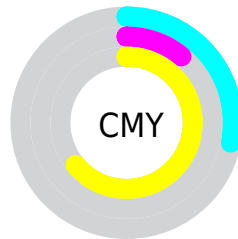
- Red (72%)
- Green (89%)
- Blue (36%)



- Red (36%)
- Yellow (89%)
- Blue (53%)



- Cyan (19%)
- Magenta (0%)
- Yellow (60%)
- Black (11%)





- Cyan (28%)
- Magenta (11%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1246, 65.8838, 20.0252 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 49.1246, 65.8838, 20.0252 by changing the saturation by 10% instead.


 49.1246, 65.8838,
20.0252


 49.1246, 65.8838,
20.0252


373.7415,
445.9612, 264.6603


 34.9333, 48.1781,
12.2291


 88.0761, 113.3195,
44.3190


 23.7778, 33.9679,
6.7755


 113.5670,
143.8183, 61.6537

 15.2927, 22.8690,
3.2458


 143.5551,
179.3503, 83.0051

 9.1127, 14.4968,
1.2215

 178.4058,
220.2998, 108.7916

 4.8725, 8.4670,
0.0000

218.4844,
267.0513, 139.4319

 2.2066, 4.3952,
0.0000

264.1563,

 0.7462, 1.8970,

319.9890, 175.3443

0.0000

315.7869,
379.4976, 216.9476

■ 0.0000, 0.5466,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.1246, 65.8838,
20.0252

■ 49.1246, 65.8838,
20.0252

■ 46.6141, 64.6883,
15.5468

■ 52.0217, 67.2487,
26.0700

■ 44.4565, 63.6415,
12.4849


■ 55.3260, 68.7843,
33.8044

■ 42.6192, 62.7327,
10.6678


■ 59.0622, 70.5031,
43.3444


■ 41.0444, 61.9385,
9.7979


■ 63.2512, 72.4136,
54.7944


 41.0310, 61.9317,
9.7915

 67.9126, 74.5236,
68.2509

 73.0645, 76.8406,
83.8037

 78.7242, 79.3716,
101.5375

 81.9415, 80.9367,
105.9113

 84.4462, 82.2279,
106.0285

Harmonies

Analogous

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



62.9930, 65.8838, 15.7138



49.1246, 65.8838, 20.0252



40.3043, 65.8838, 36.3340

Triad

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



49.1246, 65.8838, 20.0252



48.5791, 65.8838, 173.1864



97.4603, 65.8838, 72.8060

Complementary

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



49.1246, 65.8838, 20.0252



27.4402, 18.0982, 74.7238

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.



91.9478, 65.8838, 124.8543



49.1246, 65.8838, 20.0252



62.2496, 65.8838, 195.6611

Square

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



49.1246, 65.8838, 20.0252



40.0279, 65.8838, 122.2057



78.3863, 65.8838, 175.1090



92.4288, 65.8838, 37.5181

Rectangle

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



49.1246, 65.8838, 20.0252



37.6324, 65.8838, 56.9894



78.3863, 65.8838, 175.1090



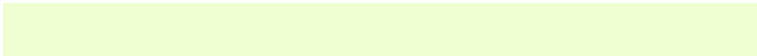
96.7663, 65.8838, 88.8301

Sweetspot

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



49.1262, 65.8867, 20.0266



83.3814, 94.7388, 74.2783



41.7934, 33.5366, 14.1689



17.4849, 20.1135, 14.8782



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.



49.1262, 65.8867, 20.0266



59.9214, 83.8428, 19.0539



36.8580, 59.5622, 19.4525



15.1351, 16.5767, 15.3064



24.0541, 36.1818, 5.7160



1.8727, 2.7228, 0.4268

Inverse Universe

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



27.4402, 18.0982, 74.7238



29.4515, 16.4805, 96.2365



41.3746, 25.2817, 75.3759



14.0096, 14.1072, 18.1289



9.7420, 4.0881, 42.6588



0.8134, 0.3503, 3.1567

Previews

White Background



This preview shows how the XYZ color 49.1246, 65.8838, 20.0252 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 49.1246, 65.8838, 20.0252 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 49.1246, 65.8838, 20.0252

Background



This preview shows how black text looks on a background with the XYZ color 49.1246, 65.8838, 20.0252.



This preview shows how white text looks on a background with the XYZ color 49.1246, 65.8838,

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

49.1246, 65.8838, 20.0252

Protanopia

59.8559, 65.6080, 18.5257

Deuteranopia

66.1088, 65.3770, 27.5471



Tritanopia

62.1646, 65.7192, 84.2716

Trichromacy



Original Color

49.1246, 65.8838, 20.0252

Protanomaly

55.1896, 65.0820, 18.8858

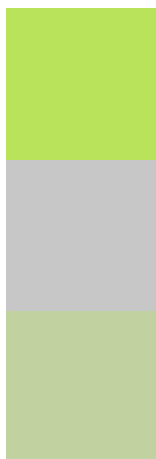
Deuteranomaly

58.7258, 64.8927, 24.4693

Tritanomaly

55.7138, 64.9996, 52.2576

Monochromacy



Original Color

49.1246, 65.8838, 20.0252

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

51.3938, 59.6083, 42.0545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1246, 65.8838, 20.0252 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(184, 227, 91)` looks like.

```
.text, #text, p{  
    color:rgb(184, 227, 91)  
}
```

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(184, 227, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 227, 91) }
```

Border

The CSS property to change the border of an element to XYZ 49.1246, 65.8838, 20.0252 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(184, 227, 91) }
```


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

```
.border{ border-color:rgb(184, 227, 91) }
```

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

Here you see how a box with a 4 pixel rgb(184, 227, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 227, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 227, 91);  
box-shadow:4px 4px 4px 4px rgb(184, 227,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1246, 65.8838, 20.0252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 227, 91) }
```

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

```
.background{ background-color: rgb(184,  
227, 91) }
```

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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