

Converting Colors

XYZ(48.8575, 66.4684, 24.4420)

Have a look what the booklet for
XYZ(48.8575, 66.4684, 24.4420)
contains.

XYZ(48.8575, 66.4684, 24.4420)	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(48.8575, 66.4684,
24.4420)**

Conversions

Conversions Part 1

Format	Color
Hex	B1E56C
RGB	177, 229, 108
RGB Percent	69%, 90%, 42%
CMY	0.3059, 0.1019, 0.5765
CMYK	0.23, 0.00, 0.53, 0.10
HSL	86°, 70%, 66%
HSV	86°, 53%, 90%
XYZ	48.8575, 66.4684, 24.4420
YIQ	199.6580, 7.8490, -48.6550

Conversions

Conversions Part 2

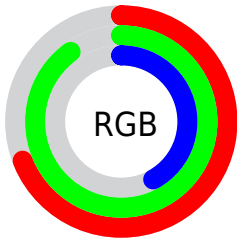
Format	Color
RYB	108, 229, 160
Decimal	11658604
CIELab	85.23, -35.83, 52.99
CIELCh	85, 63.967, 124.062
Yxy	66.4684, 0.3496, 0.4756
Android (android.graphics.Color)	4289848684 (0xFFB1E56C)
YUV	199.6580, -45.1874, -19.8711
Hunter-Lab	81.5282, -35.7043, 39.2947

Details

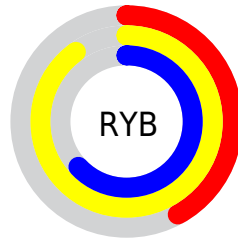
The XYZ color **48.8575, 66.4684, 24.4420** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **34.0055, 23.8578, 76.9452**, and the grayscale version is **54.9565, 57.8185, 62.9644**.

A 20% lighter version of the original color is **76.5425, 91.7908, 47.8656**, and **23.5183, 34.2279, 8.9815** is the 20% darker color. If you saturate the color by 10%, you get **45.6341, 64.9316, 18.7437**, and if you desaturate by 10%, it is **52.5659, 68.2224, 31.8364**.

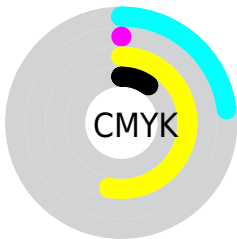
Distribution



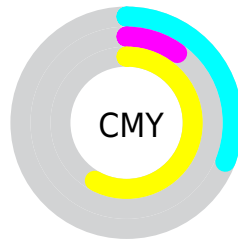
- Red (69%)
- Green (90%)
- Blue (42%)



- Red (42%)
- Yellow (90%)
- Blue (63%)



- Cyan (23%)
- Magenta (0%)
- Yellow (53%)
- Black (10%)




- Cyan (31%)
- Magenta (10%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8575, 66.4684, 24.4420 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 48.8575, 66.4684, 24.4420 by changing the saturation by 10% instead.


 48.8575, 66.4684,
24.4420


 48.8575, 66.4684,
24.4420


372.7073,
448.0502, 288.4057

 34.7205, 48.6527,
15.4466


 87.6818, 114.1584,
51.7034


 23.6132, 34.3441,
8.9833

 113.0998,
144.8014, 70.8064

 15.1701, 23.1581,
4.6336


 143.0088,
180.4891, 94.1157

 9.0259, 14.7103,
1.9790

 177.7743,
221.6058, 122.0499

 4.8154, 8.6163,
0.5423

217.7615,
268.5358, 155.0275

 2.1730, 4.4918,
0.0000

263.3359,

 0.7284, 1.9523,

321.6636, 193.4669

0.0000

314.8627,
381.3736, 237.7868

0.0000, 0.5795,
0.0000

0.0000, 0.0000,
0.0000

48.8575, 66.4684,
24.4420

48.8575, 66.4684,
24.4420

45.6341, 64.9316,
18.7437

52.5659, 68.2224,
31.8364

42.8620, 63.5913,
14.6019


56.7806, 70.1958,
41.0430


40.5095, 62.4368,
11.8622


61.5273, 72.4014,
52.1730

38.5374, 61.4519,
10.3364


66.8282, 74.8484,
65.3271

 37.3160, 60.8334,
9.7753

 72.7040, 77.5456,
80.5993

 79.1744, 80.5010,
98.0773

 84.0405, 82.8356,
106.1672

 87.3107, 84.5215,
106.3202

Harmonies

Analogous

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



61.2285, 66.4684, 18.4815



48.8575, 66.4684, 24.4420



41.3401, 66.4684, 42.8497

Triad

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



48.8575, 66.4684, 24.4420



51.7862, 66.4684, 170.1013



95.1402, 66.4684, 66.8813

Complementary

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



48.8575, 66.4684, 24.4420



34.0055, 23.8578, 76.9452

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.



91.5998, 66.4684, 113.0540



48.8575, 66.4684, 24.4420



65.1648, 66.4684, 184.2944

Square

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



48.8575, 66.4684, 24.4420



42.8414, 66.4684, 126.7135



80.0503, 66.4684, 160.3306



89.1016, 66.4684, 36.3281

Rectangle

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



48.8575, 66.4684, 24.4420



39.3750, 66.4684, 64.4493



80.0503, 66.4684, 160.3306



95.0361, 66.4684, 80.9205

Sweetspot

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



48.8591, 66.4713, 24.4434



83.0035, 94.4699, 77.6121



47.3205, 42.3392, 19.8665



17.4641, 20.0811, 15.8600



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.



48.8591, 66.4713, 24.4434



58.0347, 82.7678, 23.5892



38.2107, 60.9819, 23.9451



14.9721, 16.4927, 15.2987



21.4749, 34.8522, 5.5953



1.6928, 2.6300, 0.4184

Inverse Universe

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



34.0055, 23.8578, 76.9452



37.2693, 23.1162, 97.1053



48.6963, 31.4312, 77.6327



14.1673, 14.1885, 18.1363



11.1240, 4.8005, 42.7235



0.9266, 0.4087, 3.1620

Previews

White Background



This preview shows how the XYZ color 48.8575, 66.4684, 24.4420 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 48.8575, 66.4684, 24.4420 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

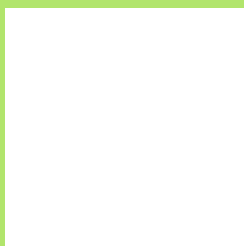
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.8575, 66.4684, 24.4420

Background



This preview shows how black text looks on a background with the XYZ color 48.8575, 66.4684, 24.4420.

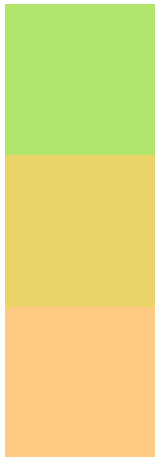


This preview shows how white text looks on a background with the XYZ color 48.8575, 66.4684,

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

48.8575, 66.4684, 24.4420

Protanopia

60.2526, 65.7284, 22.3432

Deuteranopia

66.6252, 65.5836, 30.2665



Tritanopia

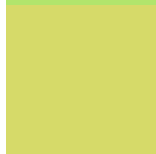
61.5120, 66.4643, 86.6777

Trichromacy



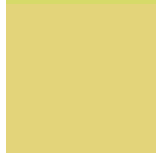
Original Color

48.8575, 66.4684, 24.4420



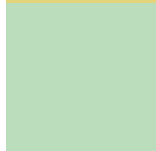
Protanomaly

55.3528, 65.4589, 23.0820



Deuteranomaly

58.7349, 64.8230, 27.8288



Tritanomaly

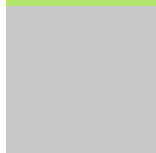
55.6726, 66.0351, 57.3887

Monochromacy



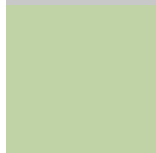
Original Color

48.8575, 66.4684, 24.4420



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.0075, 60.5850, 45.5122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8575, 66.4684, 24.4420 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(177, 229, 108)` looks like.

```
.text, #text, p{  
    color:rgb(177, 229, 108)  
}
```

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(177, 229, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 229, 108) }
```

Border

The CSS property to change the border of an element to XYZ 48.8575, 66.4684, 24.4420 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(177, 229, 108) }
```


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

```
.border{ border-color:rgb(177, 229, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 229, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 229, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 229, 108); box-shadow:4px 4px 4px 4px rgb(177, 229, 108) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8575, 66.4684, 24.4420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 229, 108) }
```

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

```
.background{ background-color: rgb(177,  
229, 108) }
```

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