

Converting Colors

XYZ(48.7021, 66.1710, 53.1295)

Have a look what the booklet for
XYZ(48.7021, 66.1710, 53.1295)
contains.

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Color

**XYZ(48.7478, 66.1848,
53.3857)**

Conversions

Conversions Part 1

Format	Color
Hex	94E6B4
RGB	148, 230, 180
RGB Percent	58%, 90%, 71%
CMY	0.4196, 0.0980, 0.2941
CMYK	0.36, 0.00, 0.22, 0.10
HSL	143°, 62%, 74%
HSV	143°, 36%, 90%
XYZ	48.7478, 66.1848, 53.3857
YIQ	199.7820, -32.8220, -32.9340

Conversions

Conversions Part 2

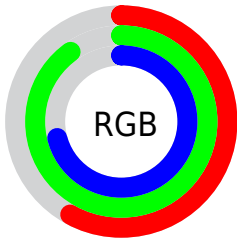
Format	Color
RYB	148, 207, 230
Decimal	9758388
CIELab	85.09, -35.51, 16.59
CIElCh	85, 39.189, 154.960
Yxy	66.1848, 0.2896, 0.3932
Android (android.graphics.Color)	4287948468 (0xFF94E6B4)
YUV	199.7820, -9.7525, -45.4128
Hunter-Lab	81.3540, -35.4114, 18.0409

Details

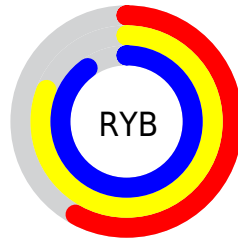
The XYZ color **48.7478, 66.1848, 53.3857** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.4183, 42.0816, 58.7359**, and the grayscale version is **54.8396, 57.6955, 62.8304**.

A 20% lighter version of the original color is **75.8022, 90.4135, 92.8132**, and **23.5829, 34.1841, 25.4339** is the 20% darker color. If you saturate the color by 10%, you get **43.6366, 63.7085, 46.0625**, and if you desaturate by 10%, it is **54.8338, 69.1505, 61.5121**.

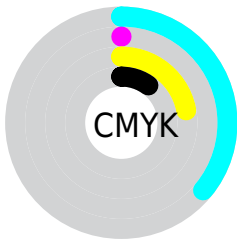
Distribution



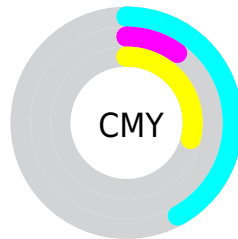
- Red (58%)
- Green (90%)
- Blue (71%)



- Red (58%)
- Yellow (81%)
- Blue (90%)



- Cyan (36%)
- Magenta (0%)
- Yellow (22%)
- Black (10%)




- Cyan (42%)
- Magenta (10%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7478, 66.1848, 53.3857 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 48.7478, 66.1848, 53.3857 by changing the saturation by 10% instead.


 48.7478, 66.1848,
53.3857


 48.7478, 66.1848,
53.3857


372.2821,
447.0375, 416.8713

 34.6332, 48.4224,
37.7209


 87.5197, 113.7515,
96.6190

 23.5456, 34.1615,
25.4660


 112.9078,
144.3247, 125.0246

 15.1198, 23.0177,
16.2024


142.7843,
179.9369, 158.5142

 8.9904, 14.6066,
9.5116


177.5147,
220.9725, 197.5063

 4.7920, 8.5438,
4.9750

217.4643,
267.8160, 242.4196

 2.1592, 4.4448,
2.1741

262.9985,

 0.7211, 1.9254,

320.8518, 293.6725

0.6594

314.4826,
380.4641, 351.6835

■ 0.0000, 0.5636,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.7478, 66.1848,
53.3857

■ 48.7478, 66.1848,
53.3857

■ 43.6366, 63.7085,
46.0625

■ 54.8338, 69.1505,
61.5121

■ 39.4412, 61.6864,
39.5131

■ 61.9385, 72.6224,
70.4610

■ 36.1047, 60.0912,
33.7130

■ 70.1094, 76.6264,
80.2564

■ 33.5609, 58.8896,
28.6344

■ 79.3896, 81.1841,
90.9202

■ 31.7330, 58.0425,
24.2477

■ 86.8132, 84.7661,
102.3326

■ 30.5277, 57.5024,
20.5208

■ 87.5880, 85.0761,
106.4127

■ 30.1331, 57.3301,
19.0959

Harmonies

Analogous

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



53.6736, 66.1848, 39.1159



48.7478, 66.1848, 53.3857



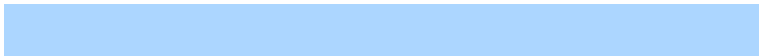
47.4669, 66.1848, 76.3491

Triad

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



48.7478, 66.1848, 53.3857



64.3856, 66.1848, 132.1499



77.8676, 66.1848, 47.6448

Complementary

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



48.7478, 66.1848, 53.3857



53.4183, 42.0816, 58.7359

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.



81.3767, 66.1848, 67.9423



48.7478, 66.1848, 53.3857



73.1422, 66.1848, 119.6944

Square

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



48.7478, 66.1848, 53.3857



55.9928, 66.1848, 125.6862



79.5717, 66.1848, 94.6582



70.3675, 66.1848, 36.3854

Rectangle

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



48.7478, 66.1848, 53.3857



48.7394, 66.1848, 94.5845



79.5717, 66.1848, 94.6582



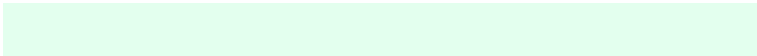
79.5834, 66.1848, 53.4360

Sweetspot

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



48.7496, 66.1875, 53.3872



82.8401, 94.0097, 94.5884



57.0828, 70.8177, 38.6784



17.4343, 19.9765, 19.8880



0.0000, 0.0000, 0.0000



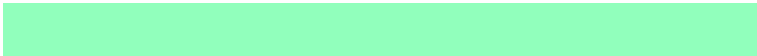
20.3446, 21.4041, 23.3091

Same Dimension

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



48.7496, 66.1875, 53.3872



56.5909, 81.2084, 60.3477



53.4875, 68.0827, 78.3365



14.4210, 16.1818, 16.4818



17.1147, 32.4780, 11.1045



1.3092, 2.4178, 1.0549

Inverse Universe

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



53.4183, 42.0816, 58.7359



63.3293, 46.3821, 68.0418



49.3593, 40.4580, 37.3612



14.7444, 14.5149, 16.8542



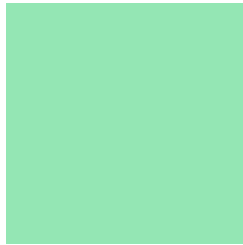
21.2269, 10.6250, 15.3559



1.6139, 0.8033, 1.3731

Previews

White Background



This preview shows how the XYZ color 48.7478, 66.1848, 53.3857 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 48.7478, 66.1848, 53.3857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

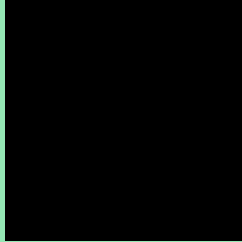
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7478, 66.1848, 53.3857

Background



This preview shows how black text looks on a background with the XYZ color 48.7478, 66.1848, 53.3857.



This preview shows how white text looks on a background with the XYZ color 48.7478, 66.1848,

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

48.7478, 66.1848, 53.3857

Protanopia

61.3854, 65.3761, 47.9116

Deuteranopia

66.7314, 65.4317, 55.5668



Tritanopia

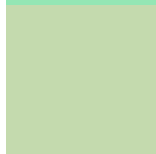
56.5474, 66.1109, 92.2184

Trichromacy



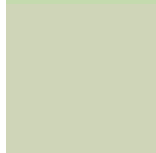
Original Color

48.7478, 66.1848, 53.3857



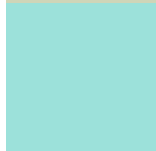
Protanomaly

55.4763, 64.9346, 49.6541



Deuteranomaly

58.1781, 64.3146, 54.6950



Tritanomaly

53.2904, 65.9803, 76.2564

Monochromacy



Original Color

48.7478, 66.1848, 53.3857



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

51.9760, 60.2625, 59.3445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7478, 66.1848, 53.3857 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(148, 230, 180)` looks like.

```
.text, #text, p{  
    color:rgb(148, 230, 180)  
}
```

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(148, 230, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 230, 180) }
```

Border

The CSS property to change the border of an element to XYZ 48.7478, 66.1848, 53.3857 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(148, 230, 180) }
```


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

```
.border{ border-color:rgb(148, 230, 180) }
```

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

Here you see how a box with a 4 pixel rgb(148, 230, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 230, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 230, 180);  
box-shadow:4px 4px 4px 4px rgb(148, 230,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7478, 66.1848, 53.3857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 230, 180) }
```

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

```
.background{ background-color: rgb(148,  
230, 180) }
```

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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