

Converting Colors

XYZ(50.3958, 66.7383, 56.5242)

Have a look what the booklet for
XYZ(50.3958, 66.7383, 56.5242)
contains.

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Color

**XYZ(50.2087, 66.4538,
56.6350)**

Conversions

Conversions Part 1

Format	Color
Hex	9AE5BA
RGB	154, 229, 186
RGB Percent	60%, 90%, 73%
CMY	0.3961, 0.1019, 0.2706
CMYK	0.33, 0.00, 0.19, 0.10
HSL	146°, 59%, 75%
HSV	146°, 33%, 90%
XYZ	50.2087, 66.4538, 56.6350
YIQ	201.6730, -30.8970, -29.2730

Conversions

Conversions Part 2

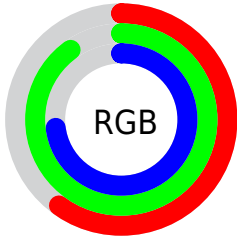
Format	Color
RYB	154, 207, 229
Decimal	10151354
CIELab	85.23, -32.14, 13.69
CIELCh	85, 34.930, 156.933
Yxy	66.4538, 0.2897, 0.3835
Android (android.graphics.Color)	4288341434 (0xFF9AE5BA)
YUV	201.6730, -7.7268, -41.8092
Hunter-Lab	81.5192, -32.7182, 15.8721

Details

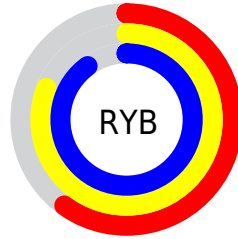
The XYZ color **50.2087, 66.4538, 56.6350** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **53.9490, 43.8021, 58.4373**, and the grayscale version is **55.9971, 58.9133, 64.1566**.

A 20% lighter version of the original color is **78.3654, 91.6324, 97.5609**, and **24.4327, 34.2899, 27.5212** is the 20% darker color. If you saturate the color by 10%, you get **44.9268, 63.8867, 49.4337**, and if you desaturate by 10%, it is **56.4539, 69.5064, 64.5538**.

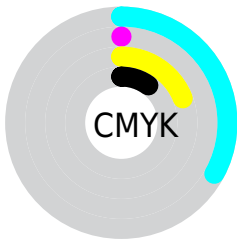
Distribution



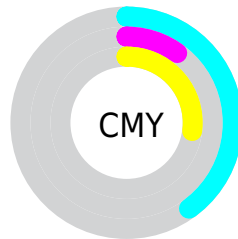
- Red (60%)
- Green (90%)
- Blue (73%)



- Red (60%)
- Yellow (81%)
- Blue (90%)



- Cyan (33%)
- Magenta (0%)
- Yellow (19%)
- Black (10%)





- Cyan (40%)
- Magenta (10%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2087, 66.4538, 56.6350 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 50.2087, 66.4538, 56.6350 by changing the saturation by 10% instead.


 50.2087, 66.4538,
56.6350


 50.2087, 66.4538,
56.6350


377.9200,
447.9981, 429.5356

 35.7977, 48.6409,
40.3049


 89.6740, 114.1374,
101.4274

 24.4474, 34.3347,
27.4607


 115.4590,
144.7769, 130.7268

 15.7924, 23.1508,
17.6841


145.7661,
180.4607, 165.1864

 9.4673, 14.7049,
10.5563

180.9606,
221.5732, 205.2247

 5.1067, 8.6126,
5.6589

221.4079,
268.4988, 251.2602

 2.3454, 4.4893,
2.5734

267.4734,

 0.8178, 1.9509,

321.6219, 303.7115

0.8787

319.5223,
381.3268, 362.9971

■ 0.0000, 0.5787,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.2087, 66.4538,
56.6350

■ 50.2087, 66.4538,
56.6350

■ 44.9268, 63.8867,
49.4337

■ 56.4539, 69.5064,
64.5538

■ 40.5520, 61.7709,
42.9252

■ 63.7041, 73.0600,
73.2051

■ 37.0303, 60.0809,
37.0895

■ 72.0048, 77.1396,
82.6091

■ 34.2994, 58.7850,
31.9043

■ 81.3972, 81.7661,
92.7837

■ 32.2879, 57.8469,
27.3454

■ 86.7760, 84.3073,
103.5056

■ 30.9102, 57.2228,
23.3873

■ 87.3105, 84.5211,
106.3202

■ 30.2112, 56.9173,
20.8762

Harmonies

Analogous

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



54.4790, 66.4538, 42.8898



50.2087, 66.4538, 56.6350



49.2690, 66.4538, 77.7282

Triad

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



50.2087, 66.4538, 56.6350



65.0110, 66.4538, 124.6180



76.0802, 66.4538, 49.2662

Complementary

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



50.2087, 66.4538, 56.6350



53.9490, 43.8021, 58.4373

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.



79.4490, 66.4538, 67.2389



50.2087, 66.4538, 56.6350



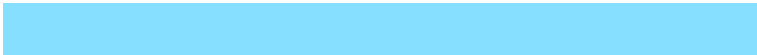
72.7226, 66.4538, 112.9348

Square

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



50.2087, 66.4538, 56.6350



57.4033, 66.4538, 120.1383



78.1718, 66.4538, 90.7483



69.2942, 66.4538, 39.2950

Rectangle

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



50.2087, 66.4538, 56.6350



50.5806, 66.4538, 93.8719



78.1718, 66.4538, 90.7483



77.6745, 66.4538, 54.4094

Sweetspot

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



50.2105, 66.4565, 56.6365



84.0175, 94.5742, 96.5605



57.0772, 70.3465, 41.1427



17.6751, 20.0915, 20.3136



0.0000, 0.0000, 0.0000



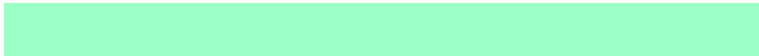
20.3446, 21.4041, 23.3091

Same Dimension

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



50.2105, 66.4565, 56.6365



59.5742, 82.6194, 66.2215



54.6335, 68.2258, 79.9278



14.4433, 16.1907, 16.5990



17.3300, 32.5641, 12.2383



1.3263, 2.4247, 1.1450

Inverse Universe

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



53.9490, 43.8021, 58.4373



65.0087, 49.6684, 68.8253



50.2377, 42.3176, 38.8939



14.7216, 14.5058, 16.7343



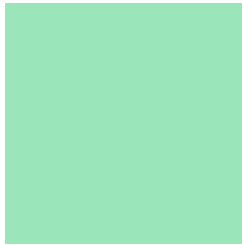
20.8904, 10.4904, 13.5835



1.5900, 0.7937, 1.2475

Previews

White Background



This preview shows how the XYZ color 50.2087, 66.4538, 56.6350 looks on a white background.

Color Contrast Check

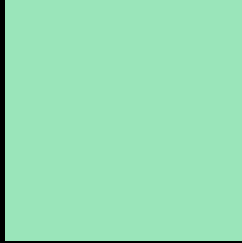
Large Text (above 18pt) WCAG AA × Fail

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 50.2087, 66.4538, 56.6350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

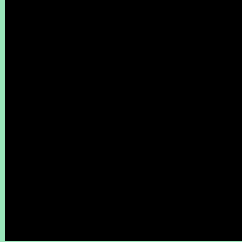
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.2087, 66.4538, 56.6350

Background



This preview shows how black text looks on a background with the XYZ color 50.2087, 66.4538, 56.6350.



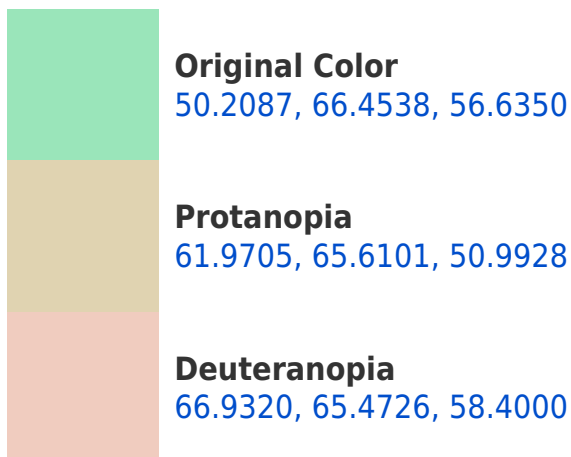
This preview shows how white text looks on a background with the XYZ color 50.2087, 66.4538,

56.6350.

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





Tritanopia

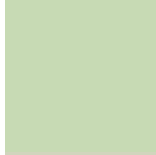
57.2183, 66.4739, 91.4764

Trichromacy



Original Color

50.2087, 66.4538, 56.6350



Protanomaly

56.8628, 65.5802, 52.8413



Deuteranomaly

59.2741, 64.8179, 57.5311



Tritanomaly

54.5414, 66.5948, 77.6896

Monochromacy



Original Color

50.2087, 66.4538, 56.6350



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

53.5149, 61.3868, 61.2529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2087, 66.4538, 56.6350 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(154, 229, 186)` looks like.

```
.text, #text, p{  
    color:rgb(154, 229, 186)  
}
```

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(154, 229, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 229, 186) }
```

Border

The CSS property to change the border of an element to XYZ 50.2087, 66.4538, 56.6350 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(154, 229, 186) }
```


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

```
.border{ border-color:rgb(154, 229, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 229, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 229, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 229, 186);  
box-shadow:4px 4px 4px 4px rgb(154, 229,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2087, 66.4538, 56.6350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 229, 186) }
```

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

```
.background{ background-color: rgb(154,  
229, 186) }
```

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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