

Converting Colors

XYZ(45.4346, 56.0176, 62.3387)

Have a look what the booklet for
XYZ(45.4346, 56.0176, 62.3387)
contains.

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Color

**XYZ(45.5037, 56.1140,
62.4656)**

Conversions

Conversions Part 1

Format	Color
Hex	95D1C7
RGB	149, 209, 199
RGB Percent	58%, 82%, 78%
CMY	0.4157, 0.1804, 0.2196
CMYK	0.29, 0.00, 0.05, 0.18
HSL	170°, 39%, 70%
HSV	170°, 29%, 82%
XYZ	45.5037, 56.1140, 62.4656
YIQ	189.9200, -32.5500, -15.8300

Conversions

Conversions Part 2

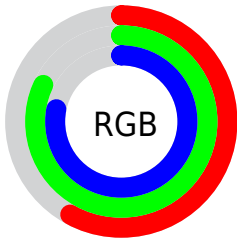
Format	Color
R_{YB}	149, 182, 209
Decimal	9818567
CIE _{Lab}	79.68, -21.26, -1.22
CIE _{LCh}	80, 21.297, 183.287
Yxy	56.1140, 0.2773, 0.3420
Android (android.graphics.Color)	4288008647 (0xFF95D1C7)
YUV	189.9200, 4.4764, -35.8868
Hunter-Lab	74.9093, -22.6613, 2.9956

Details

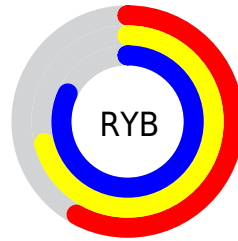
The XYZ color **45.5037, 56.1140, 62.4656** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.3019, 37.5550, 37.7698**, and the grayscale version is **48.8873, 51.4332, 56.0108**.

A 20% lighter version of the original color is **78.9868, 91.7191, 108.1483**, and **21.4903, 27.6423, 30.9909** is the 20% darker color. If you saturate the color by 10%, you get **41.6278, 54.1636, 60.1975**, and if you desaturate by 10%, it is **50.0763, 58.4254, 64.8170**.

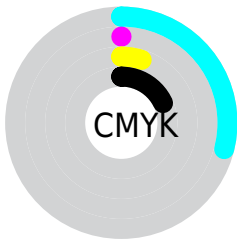
Distribution



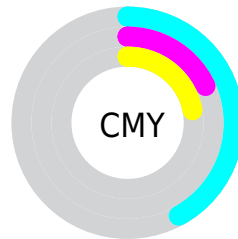
- Red (58%)
- Green (82%)
- Blue (78%)



- Red (58%)
- Yellow (71%)
- Blue (82%)



- Cyan (29%)
- Magenta (0%)
- Yellow (5%)
- Black (18%)




- Cyan (42%)
- Magenta (18%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5037, 56.1140, 62.4656 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 45.5037, 56.1140, 62.4656 by changing the saturation by 10% instead.


 45.5037, 56.1140,
62.4656


 45.5037, 56.1140,
62.4656


359.5592,
410.1210, 451.6819

 32.0573, 40.2943,
44.9708


 82.7082, 99.1712,
109.9763

 21.5610, 27.7681,
31.0916


 107.1970,
127.1776, 140.8293

 13.6495, 18.1509,
20.4096


136.0973,
160.0150, 176.9720

 7.9574, 11.0584,
12.5061

169.7745,
198.0678, 218.8231

 4.1193, 6.1061,
6.9626

208.5940,
241.7204, 266.8011

 1.7698, 2.9097,
3.3607

252.9210,

 0.4994, 1.0848,

291.3572, 321.3246

1.2816

303.1209,
347.3626, 382.8120

■ 0.0000, 0.0000,
0.0466

■ 0.0000, 0.0000,
0.0000

■ 45.5037, 56.1140,
62.4656

■ 45.5037, 56.1140,
62.4656

■ 41.6278, 54.1636,
60.1975

■ 50.0763, 58.4254,
64.8170

■ 38.4072, 52.5484,
58.0070

■ 55.3748, 61.1085,
67.2499

■ 35.8034, 51.2502,
55.8930

■ 61.4324, 64.1819,
69.7673

■ 33.7718, 50.2460,
53.8533

■ 68.2790, 67.6609,
72.3709

■ 32.2620, 49.5096,
51.8850

■ 75.9428, 71.5601,
75.0623

■ 31.2143, 49.0104,
49.9850

■ 76.9473, 72.0252,
77.4920

■ 30.5351, 48.7002,
48.1487

■ 77.4135, 72.2117,
79.9467

■ 30.4572, 48.6652,
47.9154

■ 77.8893, 72.4020,
82.4524

■ 78.3749, 72.5963,
85.0093

Harmonies

Analogous

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



46.2892, 56.1140, 51.0669



45.5037, 56.1140, 62.4656



46.7216, 56.1140, 75.0278

Triad

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



45.5037, 56.1140, 62.4656



57.9992, 56.1140, 83.0909



57.1357, 56.1140, 42.3048

Complementary

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



45.5037, 56.1140, 62.4656



43.3019, 37.5550, 37.7698

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.



60.5440, 56.1140, 49.0098



45.5037, 56.1140, 62.4656



61.0611, 56.1140, 72.3649

Square

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



45.5037, 56.1140, 62.4656



53.8099, 56.1140, 87.8986



62.0162, 56.1140, 59.7517



52.8623, 56.1140, 40.3883

Rectangle

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



45.5037, 56.1140, 62.4656



48.5462, 56.1140, 82.0990



62.0162, 56.1140, 59.7517



58.4281, 56.1140, 44.0246

Sweetspot

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



45.5053, 56.1163, 62.4669



86.4950, 95.6602, 105.3163



42.7242, 55.2468, 36.8467



18.2375, 20.3353, 22.4202



0.0000, 0.0000, 0.0000



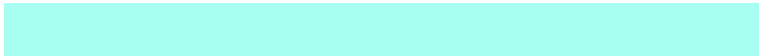
20.3446, 21.4041, 23.3091

Same Dimension

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



45.5053, 56.1163, 62.4669



67.7819, 86.2016, 95.9306



42.3182, 47.8219, 67.3243



12.0702, 13.3718, 14.7261



18.8097, 30.0168, 29.7077



1.0747, 1.6876, 1.7823

Inverse Universe

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



43.3019, 37.5550, 37.7698



63.8197, 52.7848, 51.4900



45.7238, 43.7323, 34.4661



11.8880, 11.8399, 12.6860



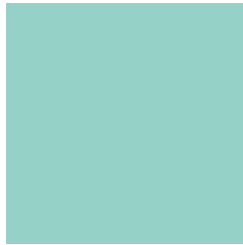
16.4227, 8.4419, 1.8660



0.9438, 0.4822, 0.2386

Previews

White Background



This preview shows how the XYZ color 45.5037, 56.1140, 62.4656 looks on a white background.

Color Contrast Check

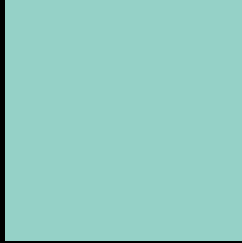
Large Text (above 18pt) WCAG AA × Fail

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 45.5037, 56.1140, 62.4656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

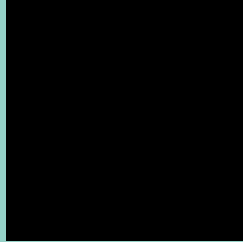
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.5037, 56.1140, 62.4656

Background



This preview shows how black text looks on a background with the XYZ color 45.5037, 56.1140, 62.4656.

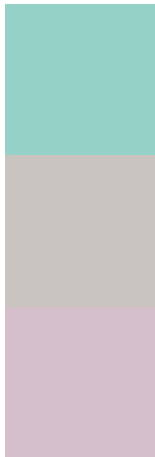


This preview shows how white text looks on a background with the XYZ color 45.5037, 56.1140,

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

45.5037, 56.1140, 62.4656

Protanopia

53.3417, 55.7031, 57.8095

Deuteranopia

56.8509, 55.7195, 64.2585



Tritanopia

48.5825, 56.2866, 77.4111

Trichromacy



Original Color

45.5037, 56.1140, 62.4656

Protanomaly

50.0284, 55.6585, 59.7361

Deuteranomaly

52.0900, 55.5996, 63.8635

Tritanomaly

47.3993, 56.1561, 71.9593

Monochromacy



Original Color

45.5037, 56.1140, 62.4656

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.2711, 52.8967, 58.1707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5037, 56.1140, 62.4656 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(149, 209, 199)` looks like.

```
.text, #text, p{  
    color:rgb(149, 209, 199)  
}
```

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(149, 209, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 209, 199) }
```

Border

The CSS property to change the border of an element to XYZ 45.5037, 56.1140, 62.4656 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(149, 209, 199) }
```


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

```
.border{ border-color:rgb(149, 209, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 209, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(149, 209, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(149, 209, 199); box-shadow:4px 4px 4px 4px rgb(149, 209, 199) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5037, 56.1140, 62.4656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 209, 199) }
```

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

```
.background{ background-color: rgb(149,  
209, 199) }
```

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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