

Converting Colors

XYZ(46.6766, 62.3060, 56.4568)

Have a look what the booklet for
XYZ(46.6766, 62.3060, 56.4568)
contains.

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Color

**XYZ(46.6850, 62.2028,
56.5595)**

Conversions

Conversions Part 1

Format	Color
Hex	8FDFBB
RGB	143, 223, 187
RGB Percent	56%, 87%, 73%
CMY	0.4392, 0.1255, 0.2667
CMYK	0.36, 0.00, 0.16, 0.13
HSL	153°, 56%, 72%
HSV	153°, 36%, 87%
XYZ	46.6850, 62.2028, 56.5595
YIQ	194.9760, -36.1240, -28.1560

Conversions

Conversions Part 2

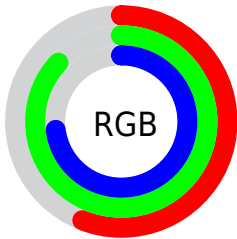
Format	Color
RYB	143, 195, 223
Decimal	9428923
CIELab	83.02, -32.31, 9.95
CIELCh	83, 33.811, 162.879
Yxy	62.2028, 0.2822, 0.3760
Android (android.graphics.Color)	4287619003 (0xFF8FDFBB)
YUV	194.9760, -3.9322, -45.5830
Hunter-Lab	78.8688, -32.3603, 12.6892

Details

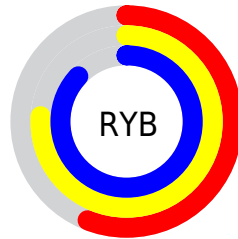
The XYZ color **46.6850, 62.2028, 56.5595** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **48.3927, 38.5891, 47.5482**, and the grayscale version is **51.8969, 54.5996, 59.4590**.

A 20% lighter version of the original color is **75.4908, 90.1332, 98.2127**, and **22.2416, 31.4825, 27.4587** is the 20% darker color. If you saturate the color by 10%, you get **42.1647, 59.9940, 50.9350**, and if you desaturate by 10%, it is **52.0512, 64.8423, 62.6182**.

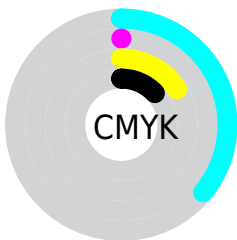
Distribution



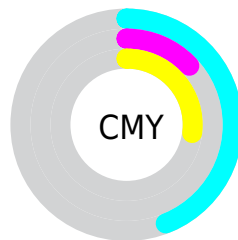
- Red (56%)
- Green (87%)
- Blue (73%)



- Red (56%)
- Yellow (76%)
- Blue (87%)



- Cyan (36%)
- Magenta (0%)
- Yellow (16%)
- Black (13%)



- Cyan (44%)
- Magenta (13%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6850, 62.2028, 56.5595 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 46.6850, 62.2028, 56.5595 by changing the saturation by 10% instead.

■ 46.6850, 62.2028,
56.5595

■ 46.6850, 62.2028,
56.5595

364.2257,
432.6705, 429.2441

■ 32.9936, 45.1966,
40.2447

■ 84.4648, 108.0186,
101.3161

■ 22.2808, 31.6123,
27.4141

■ 109.2840,
137.5969, 130.5950

■ 14.1811, 21.0655,
17.6493

138.5431,
172.1348, 165.0322

■ 8.3293, 13.1719,
10.5317

172.6076,
212.0166, 205.0465

■ 4.3599, 7.5470,
5.6427

211.8427,
257.6266, 251.0563

■ 1.9077, 3.8065,
2.5638

256.6139,

■ 0.5813, 1.5659,

309.3493, 303.4801

0.8737

307.2864,
367.5692, 362.7365

■ 0.0000, 0.3345,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.6850, 62.2028,
56.5595

■ 46.6850, 62.2028,
56.5595

■ 42.1647, 59.9940,
50.9350

■ 52.0512, 64.8423,
62.6182

■ 38.4379, 58.1841,
45.7304

■ 58.3016, 67.9272,
69.1167

■ 35.4542, 56.7489,
40.9363

■ 65.4782, 71.4805,
76.0658

■ 33.1549, 55.6585,
36.5417

■ 73.6188, 75.5215,
83.4745

■ 31.4718, 54.8778,
32.5344

■ 82.7590, 80.0686,
91.3515

■ 30.3209, 54.3637,
28.9015

■ 84.4506, 80.7663,
99.3085

■ 29.9419, 54.1988,
27.5069

■ 85.6788, 81.2576,
105.7763

Harmonies

Analogous

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



50.0673, 62.2028, 42.3135



46.6850, 62.2028, 56.5595



46.4554, 62.2028, 77.0992

Triad

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



46.6850, 62.2028, 56.5595



62.3093, 62.2028, 115.0160



70.0272, 62.2028, 43.8713

Complementary

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



46.6850, 62.2028, 56.5595



48.3927, 38.5891, 47.5482

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.



73.9038, 62.2028, 59.1492



46.6850, 62.2028, 56.5595



69.2072, 62.2028, 101.7016

Square

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



46.6850, 62.2028, 56.5595



55.0813, 62.2028, 113.9223



73.5920, 62.2028, 80.2783



63.3554, 62.2028, 36.0913

Rectangle

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



46.6850, 62.2028, 56.5595



48.0897, 62.2028, 92.0058



73.5920, 62.2028, 80.2783



71.7241, 62.2028, 48.1479

Sweetspot

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



46.6867, 62.2053, 56.5609



83.5065, 94.2762, 98.0974



50.2477, 64.5045, 35.7898



17.5929, 20.0399, 20.7232



0.0000, 0.0000, 0.0000



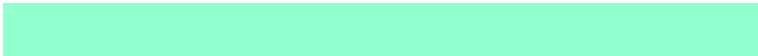
20.3446, 21.4041, 23.3091

Same Dimension

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



46.6867, 62.2053, 56.5609



58.5976, 82.0111, 70.9146



50.3298, 62.5315, 79.2321



13.8426, 15.4628, 16.2066



17.6625, 31.8898, 16.4774



1.2692, 2.2284, 1.3788

Inverse Universe

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



48.3927, 38.5891, 47.5482



61.2348, 45.5443, 57.0124



45.6187, 38.1277, 30.9425



13.9623, 13.8026, 15.5719



19.3111, 9.7914, 8.3038



1.3832, 0.6965, 0.8107

Previews

White Background



This preview shows how the XYZ color 46.6850, 62.2028, 56.5595 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 46.6850, 62.2028, 56.5595 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 46.6850, 62.2028, 56.5595

Background



This preview shows how black text looks on a background with the XYZ color 46.6850, 62.2028, 56.5595.



This preview shows how white text looks on a background with the XYZ color 46.6850, 62.2028,

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

46.6850, 62.2028, 56.5595

Protanopia

58.1861, 61.4759, 50.9188

Deuteranopia

62.8928, 61.6415, 58.4524



Tritanopia

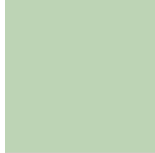
52.7336, 61.9223, 87.0147

Trichromacy



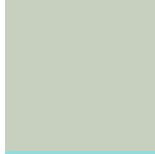
Original Color

46.6850, 62.2028, 56.5595



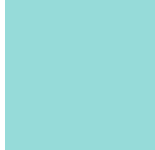
Protanomaly

52.8702, 61.2420, 52.7504



Deuteranomaly

55.4033, 60.9716, 57.5638



Tritanomaly

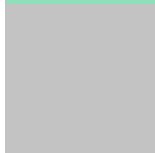
50.4336, 62.1568, 74.9850

Monochromacy



Original Color

46.6850, 62.2028, 56.5595



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.2502, 56.6985, 58.2173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6850, 62.2028, 56.5595 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(143, 223, 187)` looks like.

```
.text, #text, p{  
    color:rgb(143, 223, 187)  
}
```

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(143, 223, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 223, 187) }
```

Border

The CSS property to change the border of an element to XYZ 46.6850, 62.2028, 56.5595 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(143, 223, 187) }
```


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

```
.border{ border-color:rgb(143, 223, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 223, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 223, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 223, 187);  
box-shadow:4px 4px 4px 4px rgb(143, 223,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6850, 62.2028, 56.5595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 223, 187) }
```

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

```
.background{ background-color: rgb(143,  
223, 187) }
```

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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