

Converting Colors

XYZ(45.6628, 56.3301, 56.4312)

Have a look what the booklet for
XYZ(45.6628, 56.3301, 56.4312)
contains.

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Color

**XYZ(45.6961, 56.3430,
56.6110)**

Conversions

Conversions Part 1

Format	Color
Hex	9CD1BD
RGB	156, 209, 189
RGB Percent	61%, 82%, 74%
CMY	0.3882, 0.1804, 0.2588
CMYK	0.25, 0.00, 0.10, 0.18
HSL	157°, 37%, 72%
HSV	157°, 25%, 82%
XYZ	45.6961, 56.3430, 56.6110
YIQ	190.8730, -25.1680, -17.4560

Conversions

Conversions Part 2

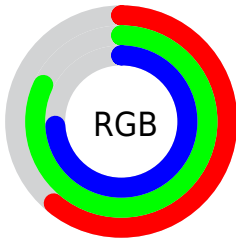
Format	Color
RYB	156, 189, 209
Decimal	10277309
CIELab	79.81, -21.27, 4.37
CIELCh	80, 21.715, 168.401
Yxy	56.3430, 0.2880, 0.3551
Android (android.graphics.Color)	4288467389 (0xFF9CD1BD)
YUV	190.8730, -0.9234, -30.5836
Hunter-Lab	75.0620, -22.6915, 7.8274

Details

The XYZ color **45.6961, 56.3430, 56.6110** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.0214, 40.4683, 46.4622**, and the grayscale version is **49.4646, 52.0406, 56.6722**.

A 20% lighter version of the original color is **79.1054, 91.9615, 99.9672**, and **21.5931, 27.7723, 27.5151** is the 20% darker color. If you saturate the color by 10%, you get **41.1617, 54.1032, 52.0509**, and if you desaturate by 10%, it is **50.9761, 58.9648, 61.4515**.

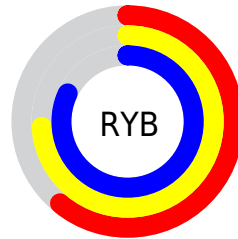
Distribution



Red (61%)

Green (82%)

Blue (74%)



Red (61%)

Yellow (74%)

Blue (82%)

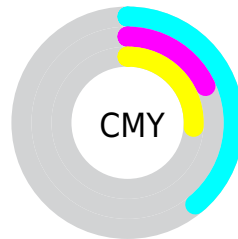


Cyan (25%)

Magenta (0%)

Yellow (10%)

Black (18%)



Cyan (39%)


Magenta (18%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6961, 56.3430, 56.6110 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 45.6961, 56.3430, 56.6110 by changing the saturation by 10% instead.


 45.6961, 56.3430,
56.6110


 45.6961, 56.3430,
56.6110

360.3220,
410.9828, 429.4429

 32.2097, 40.4780,
40.2857


 82.9947, 99.5059,
101.3921

 21.6780, 27.9114,
27.4459


 107.5375,
127.5726, 130.6849

 13.7358, 18.2589,
17.6730


136.4965,
160.4753, 165.1374

 8.0176, 11.1360,
10.5485

170.2371,
198.5984, 205.1680

 4.1581, 6.1584,
5.6538

209.1246,
242.3263, 251.1954

 1.7920, 2.9416,
2.5704

253.5243,

 0.5128, 1.1013,

292.0434, 303.6379

0.8771

303.8017,
348.1341, 362.9143

■ 0.0000, 0.0000,
0.0000

■ 45.6961, 56.3430,
56.6110

■ 45.6961, 56.3430,
56.6110

■ 41.1617, 54.1032,
52.0509

■ 50.9761, 58.9648,
61.4515

■ 37.3319, 52.2198,
47.7619

■ 57.0308, 61.9790,
66.5738

■ 34.1686, 50.6749,
43.7395

■ 63.8934, 65.4042,
71.9845

■ 31.6283, 49.4459,
39.9776

■ 71.5938, 69.2556,
77.6885

■ 29.6620, 48.5078,
36.4698

■ 78.1063, 72.4889,
83.5944

■ 28.2128, 47.8314,
33.2092

■ 79.2295, 72.9382,
89.5092

■ 27.2112, 47.3809,
30.1881

■ 80.4033, 73.4077,
95.6907

■ 26.8394, 47.2182,
28.8636

■ 81.6285, 73.8978,
102.1423

■ 82.0915, 74.0830,
104.5805

Harmonies

Analogous

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



47.4802, 56.3430, 46.6466



45.6961, 56.3430, 56.6110



45.9299, 56.3430, 69.3063

Triad

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



45.6961, 56.3430, 56.6110



56.2635, 56.3430, 87.2869



59.3589, 56.3430, 44.9761

Complementary

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



45.6961, 56.3430, 56.6110



46.0214, 40.4683, 46.4622

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.



61.9747, 56.3430, 54.0234



45.6961, 56.3430, 56.6110



60.1212, 56.3430, 78.8530

Square

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



45.6961, 56.3430, 56.6110



51.8717, 56.3430, 88.2301



62.2610, 56.3430, 66.3420



55.2689, 56.3430, 40.5693

Rectangle

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



45.6961, 56.3430, 56.6110



47.2011, 56.3430, 77.6365



62.2610, 56.3430, 66.3420



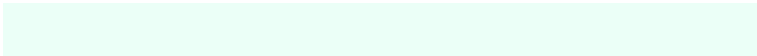
60.4492, 56.3430, 47.5136

Sweetspot

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



45.6977, 56.3453, 56.6123



86.7241, 95.8482, 102.1693



46.7793, 57.2708, 40.0422



18.2472, 20.3584, 21.6046



0.0000, 0.0000, 0.0000



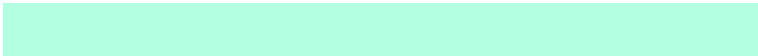
20.3446, 21.4041, 23.3091

Same Dimension

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



45.6977, 56.3453, 56.6123



67.9803, 86.5423, 85.1662



46.5334, 54.2990, 68.3525



11.9613, 13.3283, 14.1527



16.5968, 29.1317, 18.0550



0.9659, 1.6440, 1.2090

Inverse Universe

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



46.0214, 40.4683, 46.4622



68.5679, 57.8233, 66.8163



45.2497, 41.8624, 37.1487



11.9907, 11.8810, 13.2266



17.1241, 8.7225, 5.5595



0.9956, 0.5029, 0.5115

Previews

White Background



This preview shows how the XYZ color 45.6961, 56.3430, 56.6110 looks on a white background.

Color Contrast Check

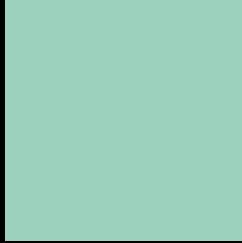
Large Text (above 18pt) WCAG AA × Fail

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 45.6961, 56.3430, 56.6110 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 45.6961, 56.3430, 56.6110

Background



This preview shows how black text looks on a background with the XYZ color 45.6961, 56.3430, 56.6110.



This preview shows how white text looks on a background with the XYZ color 45.6961, 56.3430,

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

45.6961, 56.3430, 56.6110

Protanopia

53.0853, 55.6946, 52.2082

Deuteranopia

57.1699, 56.0173, 58.2513



Tritanopia

49.5443, 56.0876, 76.6213

Trichromacy



Original Color

45.6961, 56.3430, 56.6110

Protanomaly

50.1371, 55.8409, 54.0348

Deuteranomaly

52.2142, 55.7960, 57.8869

Tritanomaly

48.0771, 56.2196, 68.6391

Monochromacy



Original Color

45.6961, 56.3430, 56.6110

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

47.8484, 53.5708, 56.5335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6961, 56.3430, 56.6110 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(156, 209, 189)` looks like.

```
.text, #text, p{  
    color:rgb(156, 209, 189)  
}
```

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(156, 209, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 209, 189) }
```

Border

The CSS property to change the border of an element to XYZ 45.6961, 56.3430, 56.6110 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(156, 209, 189) }
```


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

```
.border{ border-color:rgb(156, 209, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 209, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 209, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 209, 189); box-shadow:4px 4px 4px 4px rgb(156, 209, 189) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6961, 56.3430, 56.6110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 209, 189) }
```

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

```
.background{ background-color: rgb(156,  
209, 189) }
```

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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