

Converting Colors

XYZ(46.2876, 53.9142, 66.9983)

Have a look what the booklet for
XYZ(46.2876, 53.9142, 66.9983)
contains.

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Color

**XYZ(46.2876, 53.9142,
66.9983)**

Conversions

Conversions Part 1

Format	Color
Hex	9DCACF
RGB	157, 202, 207
RGB Percent	62%, 79%, 81%
CMY	0.3843, 0.2078, 0.1882
CMYK	0.24, 0.02, 0.00, 0.19
HSL	186°, 34%, 71%
HSV	186°, 24%, 81%
XYZ	46.2876, 53.9142, 66.9983
YIQ	189.1150, -28.4250, -7.9850

Conversions

Conversions Part 2

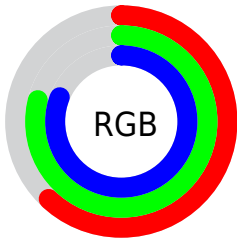
Format	Color
R _Y B	157, 181, 207
Decimal	10341071
CIE Lab	78.41, -13.57, -7.33
CIE LCh	78, 15.421, 208.387
Yxy	53.9142, 0.2768, 0.3225
Android (android.graphics.Color)	4288531151 (0xFF9DCACF)
YUV	189.1150, 8.8173, -28.1649
Hunter-Lab	73.4263, -15.9704, -2.7011

Details

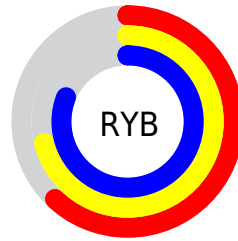
The XYZ color **46.2876, 53.9142, 66.9983** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.7387, 41.5404, 37.5593**, and the grayscale version is **48.3996, 50.9202, 55.4521**.

A 20% lighter version of the original color is **81.2506, 92.8861, 108.2542**, and **22.0486, 26.4228, 34.0750** is the 20% darker color. If you saturate the color by 10%, you get **42.1044, 51.0432, 66.6655**, and if you desaturate by 10%, it is **51.1647, 57.1553, 67.3677**.

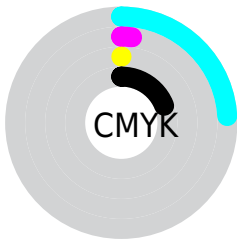
Distribution



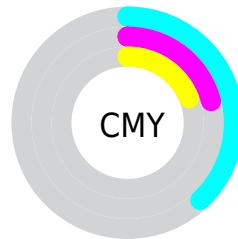
- Red (62%)
- Green (79%)
- Blue (81%)



- Red (62%)
- Yellow (71%)
- Blue (81%)



- Cyan (24%)
- Magenta (2%)
- Yellow (0%)
- Black (19%)



- Cyan (38%)
- Magenta (21%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2876, 53.9142, 66.9983 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 46.2876, 53.9142, 66.9983 by changing the saturation by 10% instead.

■ 46.2876, 53.9142,
66.9983

■ 46.2876, 53.9142,
66.9983

362.6603,
401.7827, 468.4400

■ 32.6784, 38.5331,
48.6217

■ 83.8745, 95.9483,
116.5586

■ 22.0383, 26.3967,
33.9560

■ 108.5829,
123.3700, 148.5793

■ 14.0018, 17.1206,
22.5827

137.7218,
155.5740, 185.9852

■ 8.2036, 10.3205,
14.0833

171.6564,
192.9447, 229.1947

■ 4.2784, 5.6120,
8.0392

210.7523,
235.8666, 278.6264

■ 1.8608, 2.6106,
4.0319

255.3746,

■ 0.5539, 0.9320,

284.7240, 334.6988

1.6429

305.8888,
339.9012, 397.8305

■ 0.0000, 0.0000,
0.3211

■ 0.0000, 0.0000,
0.0000

■ 46.2876, 53.9142,
66.9983

■ 46.2876, 53.9142,
66.9983

■ 42.1044, 51.0432,
66.6655

■ 51.1647, 57.1553,
67.3677

■ 38.5759, 48.5180,
66.3641

■ 56.7630, 60.7765,
67.7716

■ 35.6661, 46.3213,
66.0934

■ 63.1142, 64.7956,
68.2127

■ 33.3337, 44.4319,
65.8517

■ 70.2465, 69.2272,
68.6921

■ 31.5324, 42.8257,
65.6366

■ 76.1333, 73.0264,
69.1152

■ 30.2085, 41.4751,
65.4457

■ 76.6550, 74.0697,
69.2891

■ 29.2970, 40.3466,
65.2759

■ 77.1833, 75.1263,
69.4651

■ 28.8875, 39.7548,
65.1832

■ 77.7182, 76.1962,
69.6435

■ 78.2599, 77.2796,
69.8240

Harmonies

Analogous

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



45.6382, 53.9142, 58.2351



46.2876, 53.9142, 66.9983



48.2504, 53.9142, 74.0892

Triad

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



46.2876, 53.9142, 66.9983



56.3669, 53.9142, 67.8904



51.4080, 53.9142, 43.5551

Complementary

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



46.2876, 53.9142, 66.9983



44.7387, 41.5404, 37.5593

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.



54.3586, 53.9142, 45.6103



46.2876, 53.9142, 66.9983



57.2906, 53.9142, 59.1742

Square

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



46.2876, 53.9142, 66.9983



54.0637, 53.9142, 74.6389



56.5418, 53.9142, 51.1231



48.5237, 53.9142, 45.2146

Rectangle

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



46.2876, 53.9142, 66.9983



50.0801, 53.9142, 76.6098



56.5418, 53.9142, 51.1231



52.4255, 53.9142, 43.8302

Sweetspot

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



46.2892, 53.9164, 66.9995



88.2187, 95.6374, 108.4180



42.6661, 54.3738, 42.0427



18.7624, 20.3930, 23.1973



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.



46.2892, 53.9164, 66.9995



70.5651, 83.9445, 107.0915



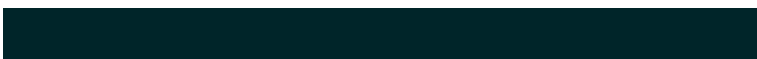
41.0553, 43.4486, 65.2549



12.0532, 13.1967, 15.1556



18.2398, 25.1262, 41.0810



1.0497, 1.4646, 2.3069

Inverse Universe

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



48.4510, 41.6447, 61.3643



74.6567, 61.0812, 96.3443



49.4129, 50.8887, 39.1174



12.2578, 11.9878, 14.6331



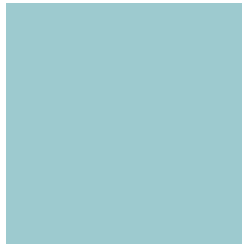
21.8373, 10.6078, 30.3793



1.2361, 0.5991, 1.7780

Previews

White Background



This preview shows how the XYZ color 46.2876, 53.9142, 66.9983 looks on a white background.

Color Contrast Check

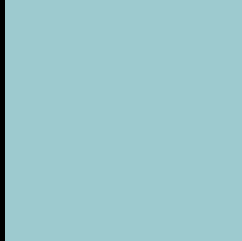
Large Text (above 18pt) WCAG AA × Fail

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 46.2876, 53.9142, 66.9983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

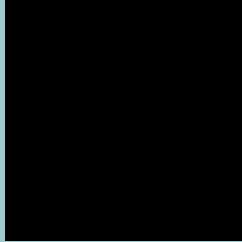
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2876, 53.9142, 66.9983

Background



This preview shows how black text looks on a background with the XYZ color 46.2876, 53.9142, 66.9983.



This preview shows how white text looks on a background with the XYZ color 46.2876, 53.9142,

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

46.2876, 53.9142, 66.9983

Protanopia

51.8979, 53.5184, 62.8531

Deuteranopia

54.7929, 53.5987, 68.4305



Tritanopia

47.7091, 54.1540, 73.5839

Trichromacy



Original Color

46.2876, 53.9142, 66.9983

Protanomaly

49.5755, 53.6154, 64.2358

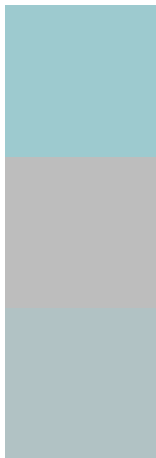
Deuteranomaly

51.3176, 53.4347, 67.9308

Tritanomaly

46.9974, 53.8465, 70.8672

Monochromacy



Original Color

46.2876, 53.9142, 66.9983

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.3871, 51.9162, 59.7478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2876, 53.9142, 66.9983 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(157, 202, 207)` looks like.

```
.text, #text, p{  
    color:rgb(157, 202, 207)  
}
```

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(157, 202, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 202, 207) }
```

Border

The CSS property to change the border of an element to XYZ 46.2876, 53.9142, 66.9983 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(157, 202, 207) }
```


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

```
.border{ border-color:rgb(157, 202, 207) }
```

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

Here you see how a box with a 4 pixel rgb(157, 202, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 202, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 202, 207);  
box-shadow:4px 4px 4px 4px rgb(157, 202,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2876, 53.9142, 66.9983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 202, 207) }
```

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

```
.background{ background-color: rgb(157,  
202, 207) }
```

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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