

Converting Colors

XYZ(51.3796, 66.8978, 60.6912)

Have a look what the booklet for
XYZ(51.3796, 66.8978, 60.6912)
contains.

XYZ(51.3553, 66.9568, 60.6693)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.3553, 66.9568,
60.6693)**

Conversions

Conversions Part 1

Format	Color
Hex	9CE5C1
RGB	156, 229, 193
RGB Percent	61%, 90%, 76%
CMY	0.3882, 0.1019, 0.2431
CMYK	0.32, 0.00, 0.16, 0.10
HSL	150°, 58%, 75%
HSV	150°, 32%, 90%
XYZ	51.3553, 66.9568, 60.6693
YIQ	203.0690, -31.9520, -26.6720

Conversions

Conversions Part 2

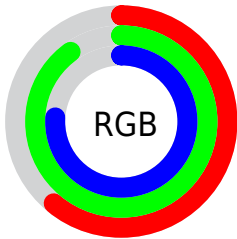
Format	Color
RYB	156, 204, 229
Decimal	10282433
CIELab	85.48, -30.18, 10.39
CIELCh	85, 31.921, 160.998
Yxy	66.9568, 0.2869, 0.3741
Android (android.graphics.Color)	4288472513 (0xFF9CE5C1)
YUV	203.0690, -4.9640, -41.2795
Hunter-Lab	81.8271, -31.1696, 13.3195

Details

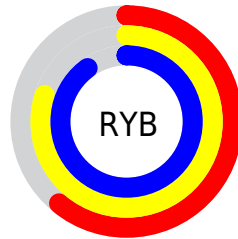
The XYZ color **51.3553, 66.9568, 60.6693** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **53.7184, 44.2425, 55.5805**, and the grayscale version is **56.8542, 59.8150, 65.1385**.

A 20% lighter version of the original color is **80.0103, 92.3566, 103.2321**, and **25.0833, 34.5760, 29.7779** is the 20% darker color. If you saturate the color by 10%, you get **46.1228, 64.4012, 54.0976**, and if you desaturate by 10%, it is **57.5231, 69.9870, 67.7899**.

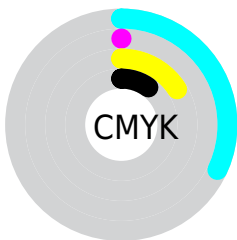
Distribution



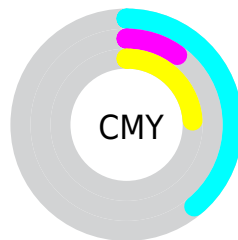
- Red (61%)
- Green (90%)
- Blue (76%)



- Red (61%)
- Yellow (80%)
- Blue (90%)



- Cyan (32%)
- Magenta (0%)
- Yellow (16%)
- Black (10%)





- Cyan (39%)
- Magenta (10%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3553, 66.9568, 60.6693 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 51.3553, 66.9568, 60.6693 by changing the saturation by 10% instead.


 51.3553, 66.9568,
60.6693


 51.3553, 66.9568,
60.6693


382.3076,
449.7910, 444.9334

 36.7136, 49.0495,
43.5295


 91.3596, 114.8585,
107.3528

 25.1585, 34.6588,
29.9663

 117.4530,
145.6217, 137.7336

 16.3246, 23.4001,
19.5612


148.0943,
181.4390, 173.3652

 9.8464, 14.8892,
11.8956

183.6489,
222.6949, 214.6661

 5.3587, 8.7417,
6.5509

224.4822,
269.7736, 262.0548

 2.4961, 4.5731,
3.1087

270.9595,

 0.8933, 1.9990,

323.0596, 315.9499

1.1504

323.4462,
382.9372, 376.7699

■ 0.0000, 0.6069,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.3553, 66.9568,
60.6693

■ 51.3553, 66.9568,
60.6693

■ 46.1228, 64.4012,
54.0976

■ 57.5231, 69.9870,
67.7899

■ 41.7710, 62.2870,
48.0569

■ 64.6661, 73.5069,
75.4679

■ 38.2476, 60.5892,
42.5346

■ 72.8286, 77.5407,
83.7171

■ 35.4926, 59.2772,
37.5159

■ 82.0504, 82.1087,
92.5496

■ 33.4369, 58.3156,
32.9852

■ 86.4330, 84.1701,
101.6993

■ 31.9983, 57.6623,
28.9255

■ 87.3105, 84.5211,
106.3202

■ 31.1767, 57.3035,
25.9605

Harmonies

Analogous

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



54.9309, 66.9568, 46.7461



51.3553, 66.9568, 60.6693



50.9203, 66.9568, 80.7849

Triad

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



51.3553, 66.9568, 60.6693



66.3356, 66.9568, 119.5061



74.7453, 66.9568, 49.7359

Complementary

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



51.3553, 66.9568, 60.6693



53.7184, 44.2425, 55.5805

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.



78.3200, 66.9568, 65.5541



51.3553, 66.9568, 60.6693



73.2251, 66.9568, 107.3559

Square

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



51.3553, 66.9568, 60.6693



59.2110, 66.9568, 117.5133



77.7434, 66.9568, 86.6833



68.2854, 66.9568, 41.3112

Rectangle

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



51.3553, 66.9568, 60.6693



52.4293, 66.9568, 95.4454



77.7434, 66.9568, 86.6833



76.3456, 66.9568, 54.2253

Sweetspot

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



51.3571, 66.9596, 60.6708



84.3237, 94.6967, 98.1727



55.8874, 69.7137, 41.9641



17.7491, 20.1211, 20.7031



0.0000, 0.0000, 0.0000



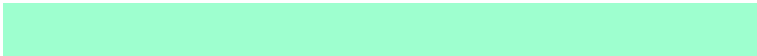
20.3446, 21.4041, 23.3091

Same Dimension

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



51.3571, 66.9596, 60.6708



61.1686, 83.3146, 72.0246



55.8748, 68.7666, 84.4603



14.4926, 16.2105, 16.8587



17.8855, 32.7863, 15.1635



1.3686, 2.4416, 1.3675

Inverse Universe

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



53.7184, 44.2425, 55.5805



64.6110, 50.1987, 64.6054



50.2043, 42.8369, 37.0758



14.6718, 14.4859, 16.4722



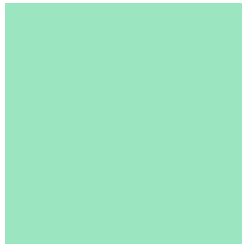
20.2378, 10.2293, 10.1471



1.5424, 0.7747, 0.9965

Previews

White Background



This preview shows how the XYZ color 51.3553, 66.9568, 60.6693 looks on a white background.

Color Contrast Check

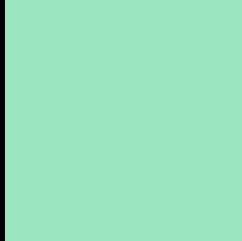
Large Text (above 18pt) WCAG AA × Fail

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 51.3553, 66.9568, 60.6693 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

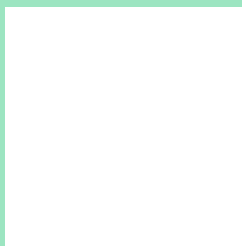
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.3553, 66.9568, 60.6693

Background



This preview shows how black text looks on a background with the XYZ color 51.3553, 66.9568, 60.6693.



This preview shows how white text looks on a background with the XYZ color 51.3553, 66.9568,

60.6693.

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

51.3553, 66.9568, 60.6693

Protanopia

62.6266, 66.2356, 54.8314

Deuteranopia

67.6210, 66.0906, 62.6188



Tritanopia

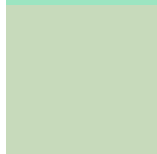
57.5753, 66.6408, 92.2665

Trichromacy



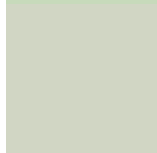
Original Color

51.3553, 66.9568, 60.6693



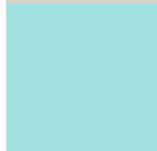
Protanomaly

57.5942, 65.8728, 56.6929



Deuteranomaly

60.3049, 65.6340, 61.7148



Tritanomaly

55.1448, 66.8595, 79.8108

Monochromacy



Original Color

51.3553, 66.9568, 60.6693



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

54.1020, 61.6496, 63.0809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3553, 66.9568, 60.6693 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, 229, 193)` looks like.

```
.text, #text, p{  
    color:rgb(156, 229, 193)  
}
```

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, 229, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 229, 193) }
```

Border

The CSS property to change the border of an element to XYZ 51.3553, 66.9568, 60.6693 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, 229, 193) }
```


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

```
.border{ border-color:rgb(156, 229, 193) }
```

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

Here you see how a box with a 4 pixel rgb(156, 229, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 229, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 229, 193);  
box-shadow:4px 4px 4px 4px rgb(156, 229,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3553, 66.9568, 60.6693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 229, 193) }
```

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

```
.background{ background-color: rgb(156,  
229, 193) }
```

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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