

Converting Colors

XYZ(45.3269, 56.3006, 51.5653)

Have a look what the booklet for
XYZ(45.3269, 56.3006, 51.5653)
contains.

XYZ(45.3368, 56.2671, 51.6512)	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(45.3368, 56.2671,
51.6512)**

Conversions

Conversions Part 1

Format	Color
Hex	9FD1B4
RGB	159, 209, 180
RGB Percent	62%, 82%, 71%
CMY	0.3765, 0.1804, 0.2941
CMYK	0.24, 0.00, 0.14, 0.18
HSL	145°, 35%, 72%
HSV	145°, 24%, 82%
XYZ	45.3368, 56.2671, 51.6512
YIQ	190.7440, -20.4910, -19.6190

Conversions

Conversions Part 2

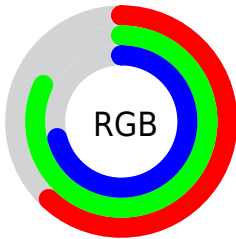
Format	Color
RYB	159, 194, 209
Decimal	10473908
CIELab	79.77, -22.12, 9.13
CIElCh	80, 23.927, 157.561
Yxy	56.2671, 0.2958, 0.3671
Android (android.graphics.Color)	4288663988 (0xFF9FD1B4)
YUV	190.7440, -5.2968, -27.8395
Hunter-Lab	75.0114, -23.3848, 11.6822

Details

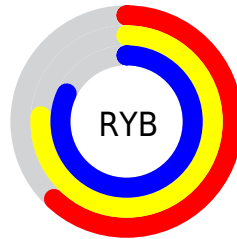
The XYZ color **45.3368, 56.2671, 51.6512** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.7717, 41.9839, 53.1653**, and the grayscale version is **49.4124, 51.9857, 56.6125**.

A 20% lighter version of the original color is **78.6319, 91.8723, 92.9457**, and **21.3302, 27.7077, 24.3026** is the 20% darker color. If you saturate the color by 10%, you get **40.3561, 53.8375, 45.2514**, and if you desaturate by 10%, it is **51.1294, 59.1058, 58.6553**.

Distribution



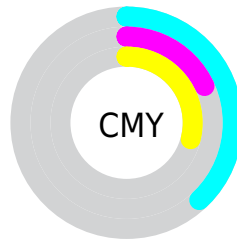
- Red (62%)
- Green (82%)
- Blue (71%)



- Red (62%)
- Yellow (76%)
- Blue (82%)



- Cyan (24%)
- Magenta (0%)
- Yellow (14%)
- Black (18%)





- Cyan (38%)
- Magenta (18%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3368, 56.2671, 51.6512 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 45.3368, 56.2671, 51.6512 by changing the saturation by 10% instead.


 45.3368, 56.2671,
51.6512


 45.3368, 56.2671,
51.6512


358.8967,
410.6973, 410.0071

 31.9252, 40.4171,
36.3468


 82.4595, 99.3950,
94.0380

 21.4596, 27.8639,
24.4103


 106.9014,
127.4417, 121.9574

 13.5748, 18.2231,
15.4233


135.7507,
160.3228, 154.9190

 7.9052, 11.1103,
8.9671

169.3729,
198.4226, 193.3412

 4.0857, 6.1411,
4.6232

208.1332,
242.1256, 237.6425

 1.7507, 2.9310,
1.9731

252.3970,

 0.4877, 1.0958,

291.8161, 288.2416

0.5387

302.5297,
347.8785, 345.5570

■ 0.0000, 0.0000,
0.0000

■ 45.3368, 56.2671,
51.6512

■ 45.3368, 56.2671,
51.6512

■ 40.3561, 53.8375,
45.2514

■ 51.1294, 59.1058,
58.6553

■ 36.1448, 51.7909,
39.4360

■ 57.7647, 62.3647,
66.2754

■ 32.6631, 50.1085,
34.1894

■ 65.2774, 66.0628,
74.5277

■ 29.8660, 48.7676,
29.4937

■ 73.6991, 70.2160,
83.4265

■ 27.7029, 47.7424,
25.3303

■ 79.8612, 73.1909,
92.8363

■ 26.1159, 47.0034,
21.6794

■ 81.7294, 73.9381,
102.6737

■ 25.0351, 46.5151,
18.5193

■ 82.0915, 74.0830,
104.5805

■ 24.5537, 46.3038,
16.8276

Harmonies

Analogous

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



48.0089, 56.2671, 42.4849



45.3368, 56.2671, 51.6512



44.7808, 56.2671, 64.8372

Triad

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



45.3368, 56.2671, 51.6512



54.7133, 56.2671, 91.6419



61.1961, 56.2671, 46.4211

Complementary

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



45.3368, 56.2671, 51.6512



47.7717, 41.9839, 53.1653

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.



63.2390, 56.2671, 57.8271



45.3368, 56.2671, 51.6512



59.3521, 56.2671, 84.8961

Square

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



45.3368, 56.2671, 51.6512



50.0085, 56.2671, 89.3271



62.5446, 56.2671, 72.0040



57.1090, 56.2671, 39.7979

Rectangle

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



45.3368, 56.2671, 51.6512



45.6522, 56.2671, 74.4335



62.5446, 56.2671, 72.0040



62.1555, 56.2671, 49.7497

Sweetspot

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



45.3383, 56.2694, 51.6525



87.1627, 96.1214, 100.0629



49.8406, 58.8192, 41.5282



18.5177, 20.5058, 21.2594



0.0000, 0.0000, 0.0000



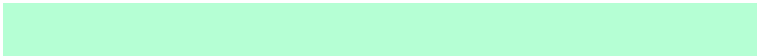
20.3446, 21.4041, 23.3091

Same Dimension

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



45.3383, 56.2694, 51.6525



66.7250, 86.1087, 75.4622



48.0998, 57.3740, 66.1938



11.8593, 13.2875, 13.6156



15.1852, 28.5670, 10.6215



0.8883, 1.6130, 0.8004

Inverse Universe

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



47.7717, 41.9839, 53.1653



71.2208, 59.7068, 78.2511



45.3201, 41.0033, 40.2555



12.0921, 11.9216, 13.7608



18.3990, 9.2324, 12.2732



1.0679, 0.5319, 0.8924

Previews

White Background



This preview shows how the XYZ color 45.3368, 56.2671, 51.6512 looks on a white background.

Color Contrast Check

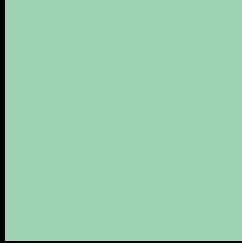
Large Text (above 18pt) WCAG AA × Fail

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 45.3368, 56.2671, 51.6512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

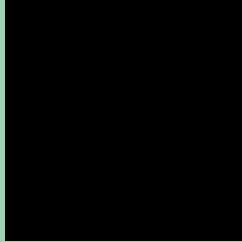
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.3368, 56.2671, 51.6512

Background



This preview shows how black text looks on a background with the XYZ color 45.3368, 56.2671, 51.6512.



This preview shows how white text looks on a background with the XYZ color 45.3368, 56.2671, 51.6512.

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

45.3368, 56.2671, 51.6512

Protanopia

53.0598, 56.1103, 48.0782

Deuteranopia

56.8840, 55.6598, 53.0927



Tritanopia

50.2106, 56.0947, 75.8911

Trichromacy



Original Color

45.3368, 56.2671, 51.6512

Protanomaly

49.7094, 55.7267, 49.2107

Deuteranomaly

51.8022, 55.3572, 52.7545

Tritanomaly

48.1606, 55.9629, 66.0212

Monochromacy



Original Color

45.3368, 56.2671, 51.6512

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

47.7541, 53.5597, 54.8349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3368, 56.2671, 51.6512 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(159, 209, 180)` looks like.

```
.text, #text, p{  
    color:rgb(159, 209, 180)  
}
```

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(159, 209, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 209, 180) }
```

Border

The CSS property to change the border of an element to XYZ 45.3368, 56.2671, 51.6512 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(159, 209, 180) }
```


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

```
.border{ border-color:rgb(159, 209, 180) }
```

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

Here you see how a box with a 4 pixel rgb(159, 209, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 209, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 209, 180);  
box-shadow:4px 4px 4px 4px rgb(159, 209,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3368, 56.2671, 51.6512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 209, 180) }
```

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

```
.background{ background-color: rgb(159,  
209, 180) }
```

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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