

Converting Colors

XYZ(45.3829, 56.2342, 38.9839)

Have a look what the booklet for
XYZ(45.3829, 56.2342, 38.9839)
contains.

XYZ(45.4019, 56.2155, 39.0296)	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(45.4019, 56.2155,
39.0296)**

Conversions

Conversions Part 1

Format	Color
Hex	ACD09A
RGB	172, 208, 154
RGB Percent	67%, 82%, 60%
CMY	0.3255, 0.1843, 0.3961
CMYK	0.17, 0.00, 0.26, 0.18
HSL	100°, 36%, 71%
HSV	100°, 26%, 82%
XYZ	45.4019, 56.2155, 39.0296
YIQ	191.0800, -4.1220, -24.4260

Conversions

Conversions Part 2

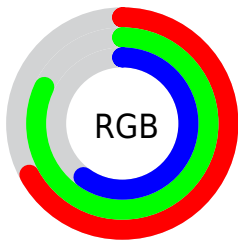
Format	Color
RYB	154, 208, 190
Decimal	11325594
CIELab	79.74, -21.80, 22.99
CIELCh	80, 31.684, 133.480
Yxy	56.2155, 0.3228, 0.3997
Android (android.graphics.Color)	4289515674 (0xFFACD09A)
YUV	191.0800, -18.2804, -16.7332
Hunter-Lab	74.9770, -23.1201, 21.6202

Details

The XYZ color **45.4019, 56.2155, 39.0296** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.1783, 38.6140, 64.8023**, and the grayscale version is **49.6734, 52.2602, 56.9114**.

A 20% lighter version of the original color is **79.2635, 92.6174, 74.0209**, and **21.4472, 27.6837, 17.0451** is the 20% darker color. If you saturate the color by 10%, you get **40.9314, 54.0957, 30.5475**, and if you desaturate by 10%, it is **50.4933, 58.6240, 49.1101**.

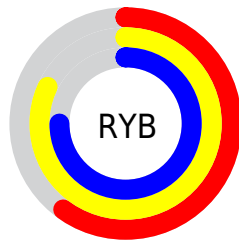
Distribution



Red (67%)

Green (82%)

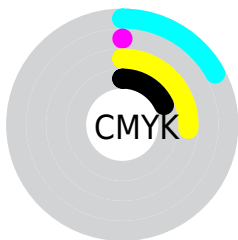
Blue (60%)



Red (60%)

Yellow (82%)

Blue (75%)

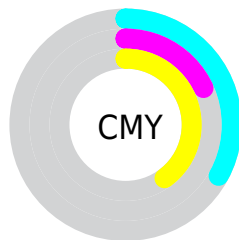


Cyan (17%)

Magenta (0%)

Yellow (26%)

Black (18%)



Cyan (33%)


Magenta (18%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4019, 56.2155, 39.0296 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 45.4019, 56.2155, 39.0296 by changing the saturation by 10% instead.


 45.4019, 56.2155,
39.0296


 45.4019, 56.2155,
39.0296


359.1552,
410.5031, 357.4460

 31.9767, 40.3757,
26.4747


 82.5565, 99.3196,
74.9044

 21.4992, 27.8316,
16.9502


 107.0167,
127.3527, 99.0614

 13.6039, 18.1988,
10.0374

135.8859,
160.2190, 127.9228

 7.9256, 11.0928,
5.3178

169.5296,
198.3030, 161.9073

 4.0988, 6.1293,
2.3729

208.3129,
241.9890, 201.4333

 1.7582, 2.9239,
0.7717

252.6014,

 0.4923, 1.0921,

291.6614, 246.9194

0.0000

302.7604,
347.7047, 298.7842

■ 0.0000, 0.0000,
0.0000

■ 45.4019, 56.2155,
39.0296

■ 45.4019, 56.2155,
39.0296

■ 40.9314, 54.0957,
30.5475

■ 50.4933, 58.6240,
49.1101

■ 37.0521, 52.2460,
23.5782

■ 56.2247, 61.3245,
60.8613

■ 33.7384, 50.6571,
18.0335

■ 62.6200, 64.3294,
74.3558

■ 30.9611, 49.3158,
13.8147

■ 69.7004, 67.6481,
89.6607

■ 28.6876, 48.2079,
10.8106

■ 76.9986, 71.0946,
104.2721

■ 26.8814, 47.3174,
8.8917

■ 81.8470, 73.5940,
104.4990

■ 25.4990, 46.6253,
7.8968

■ 25.0346, 46.3912,
7.6349

Harmonies

Analogous

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



50.6133, 56.2155, 32.9324



45.4019, 56.2155, 39.0296



42.4789, 56.2155, 51.7233

Triad

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



45.4019, 56.2155, 39.0296



50.0073, 56.2155, 101.6024



66.3156, 56.2155, 53.3550

Complementary

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



45.4019, 56.2155, 39.0296



44.1783, 38.6140, 64.8023

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.



66.1205, 56.2155, 71.7891



45.4019, 56.2155, 39.0296



56.3517, 56.2155, 102.2825

Square

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



45.4019, 56.2155, 39.0296



44.9889, 56.2155, 88.8077



62.3553, 56.2155, 90.5135



62.8685, 56.2155, 40.0176

Rectangle

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



45.4019, 56.2155, 39.0296



42.0637, 56.2155, 63.3735



62.3553, 56.2155, 90.5135



66.6816, 56.2155, 59.0946

Sweetspot

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



45.4034, 56.2179, 39.0308



87.1097, 96.2662, 92.2847



50.2609, 52.5722, 38.0711



18.3419, 20.4622, 19.1272



0.0000, 0.0000, 0.0000



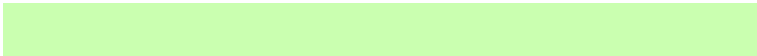
20.3446, 21.4041, 23.3091

Same Dimension

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



45.4034, 56.2179, 39.0308



68.0292, 87.2507, 54.3039



42.4949, 54.6286, 42.9561



12.0223, 13.3949, 12.5639



15.6942, 28.9596, 4.7626



0.9610, 1.6623, 0.2702

Inverse Universe

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



44.1783, 38.6140, 64.8023



65.7679, 54.8520, 101.7289



47.8789, 40.6461, 59.3574



11.9120, 11.8035, 14.8941



13.8042, 6.2966, 37.6803



0.8541, 0.3945, 2.1107

Previews

White Background



This preview shows how the XYZ color 45.4019, 56.2155, 39.0296 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 45.4019, 56.2155, 39.0296 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 45.4019, 56.2155, 39.0296

Background



This preview shows how black text looks on a background with the XYZ color 45.4019, 56.2155, 39.0296.



This preview shows how white text looks on a background with the XYZ color 45.4019, 56.2155,

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

45.4019, 56.2155, 39.0296

Protanopia

52.2550, 55.9513, 36.4793

Deuteranopia

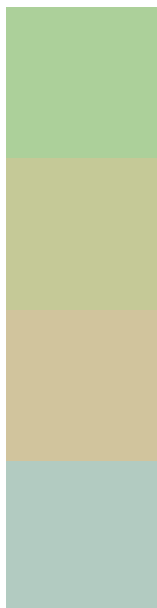
57.0023, 55.6868, 40.0920



Tritanopia

52.3404, 56.2115, 73.0570

Trichromacy



Original Color

45.4019, 56.2155, 39.0296

Protanomaly

49.4985, 55.8780, 37.4548

Deuteranomaly

52.1202, 55.4695, 39.8579

Tritanomaly

49.3417, 56.0271, 58.6658

Monochromacy



Original Color

45.4019, 56.2155, 39.0296

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

47.7693, 53.3372, 49.8969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4019, 56.2155, 39.0296 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(172, 208, 154)` looks like.

```
.text, #text, p{  
    color:rgb(172, 208, 154)  
}
```

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(172, 208, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 208, 154) }
```

Border

The CSS property to change the border of an element to XYZ 45.4019, 56.2155, 39.0296 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(172, 208, 154) }
```


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

```
.border{ border-color:rgb(172, 208, 154) }
```

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

Here you see how a box with a 4 pixel rgb(172, 208, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 208, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 208, 154);  
box-shadow:4px 4px 4px 4px rgb(172, 208,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4019, 56.2155, 39.0296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 208, 154) }
```

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

```
.background{ background-color: rgb(172,  
208, 154) }
```

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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