

Converting Colors

XYZ(35.6266, 45.2377, 25.4382)

Have a look what the booklet for
XYZ(35.6266, 45.2377, 25.4382)
contains.

XYZ(35.6989, 45.3249, 25.6059)	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(35.6989, 45.3249,
25.6059)**

Conversions

Conversions Part 1

Format	Color
Hex	9CBE7B
RGB	156, 190, 123
RGB Percent	61%, 75%, 48%
CMY	0.3882, 0.2549, 0.5176
CMYK	0.18, 0.00, 0.35, 0.25
HSL	90°, 34%, 61%
HSV	90°, 35%, 75%
XYZ	35.6989, 45.3249, 25.6059
YIQ	172.1960, 1.2430, -28.0450

Conversions

Conversions Part 2

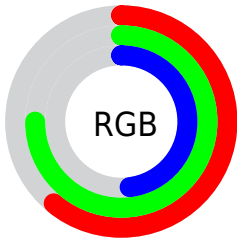
Format	Color
RYB	123, 190, 157
Decimal	10272379
CIELab	73.11, -23.32, 30.18
CIElCh	73, 38.142, 127.696
Yxy	45.3249, 0.3348, 0.4251
Android (android.graphics.Color)	4288462459 (0xFF9CBE7B)
YUV	172.1960, -24.2536, -14.2039
Hunter-Lab	67.3238, -23.1657, 24.5763

Details

The XYZ color **35.6989, 45.3249, 25.6059** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.2837, 25.0530, 51.9573**, and the grayscale version is **39.4315, 41.4850, 45.1772**.

A 20% lighter version of the original color is **67.6562, 82.8950, 53.5088**, and **15.7157, 21.0324, 9.5347** is the 20% darker color. If you saturate the color by 10%, you get **32.8309, 43.9721, 19.8542**, and if you desaturate by 10%, it is **38.9482, 46.8504, 32.5823**.

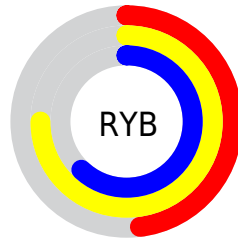
Distribution



Red (61%)

Green (75%)

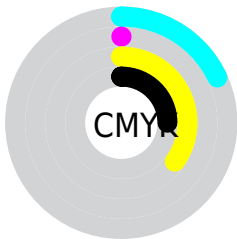
Blue (48%)



Red (48%)

Yellow (75%)

Blue (62%)

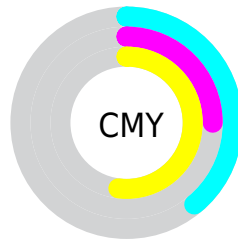


Cyan (18%)

Magenta (0%)

Yellow (35%)

Black (25%)



Cyan (39%)


Magenta (25%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6989, 45.3249, 25.6059 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 35.6989, 45.3249, 25.6059 by changing the saturation by 10% instead.


 35.6989, 45.3249,
25.6059


 35.6989, 45.3249,
25.6059


319.0968,
368.0878, 294.3857

 24.3708, 31.7134,
16.3059


 67.8940, 83.2077,
53.6147

 15.7351, 21.1427,
9.5842


 89.4917, 108.2479,
73.1607

 9.4266, 13.2283,
5.0222


 115.2432,
137.8664, 96.9590

 5.0798, 7.5860,
2.2013

145.5140,
172.4476, 125.4283

 2.3294, 3.8312,
0.6751

180.6694,
212.3760, 158.9871

 0.8096, 1.5796,
0.0000

221.0748,

 0.0000, 0.3438,

258.0359, 198.0539

0.0000

267.0955,
309.8117, 243.0473

■ 0.0000, 0.0000,
0.0000

■ 35.6989, 45.3249,
25.6059

■ 35.6989, 45.3249,
25.6059

■ 32.8309, 43.9721,
19.8542

■ 38.9482, 46.8504,
32.5823

■ 30.3240, 42.7790,
15.2535

■ 42.5911, 48.5492,
40.8456

■ 28.1609, 41.7397,
11.7267


■ 46.6433, 50.4297,
50.4573


■ 26.3214, 40.8458,
9.1861


■ 51.1188, 52.4976,
61.4739


■ 24.7824, 40.0874,
7.5301


■ 56.0305, 54.7587,
73.9488


 23.5162, 39.4532,
6.6342

 61.3910, 57.2182,
87.9328

 22.9872, 39.1862,
6.3521

 67.0501, 59.8163,
102.6195

 70.1153, 61.3965,
102.7630

 73.3526, 63.0654,
102.9145

Harmonies

Analogous

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



41.3839, 45.3249, 21.1521



35.6989, 45.3249, 25.6059



32.2632, 45.3249, 36.6742

Triad

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



35.6989, 45.3249, 25.6059



38.3903, 45.3249, 91.7676



57.0917, 45.3249, 44.5905

Complementary

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



35.6989, 45.3249, 25.6059



30.2837, 25.0530, 51.9573

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.



56.0787, 45.3249, 64.6569



35.6989, 45.3249, 25.6059



44.8217, 45.3249, 95.4742

Square

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



35.6989, 45.3249, 25.6059



33.7015, 45.3249, 75.4119



51.4141, 45.3249, 84.5235



54.0544, 45.3249, 30.1145

Rectangle

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



35.6989, 45.3249, 25.6059



31.4862, 45.3249, 47.8882



51.4141, 45.3249, 84.5235



57.2187, 45.3249, 50.8436

Sweetspot

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



35.7000, 45.3269, 25.6069



80.0863, 89.3255, 80.8290



36.7846, 36.3240, 23.8120



17.3685, 19.5140, 17.2365



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



35.7000, 45.3269, 25.6069



60.7704, 80.2855, 38.4646



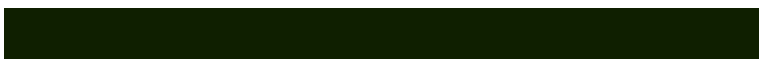
30.1583, 42.4700, 25.3475



9.8442, 10.8741, 10.1567



15.3746, 26.1018, 4.2278



0.6778, 1.0614, 0.1691

Inverse Universe

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



30.2837, 25.0530, 51.9573



49.5481, 38.2820, 93.0568



37.6142, 28.8320, 52.3004



9.4656, 9.4569, 11.9987



9.5084, 4.1878, 32.7001



0.4478, 0.2029, 1.2844

Previews

White Background



This preview shows how the XYZ color 35.6989, 45.3249, 25.6059 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 35.6989, 45.3249, 25.6059 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 35.6989, 45.3249, 25.6059

Background



This preview shows how black text looks on a background with the XYZ color 35.6989, 45.3249, 25.6059.



This preview shows how white text looks on a background with the XYZ color 35.6989, 45.3249,

25.6059.

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

35.6989, 45.3249, 25.6059

Protanopia

41.6980, 45.0414, 23.9489

Deuteranopia

45.8342, 44.8043, 26.3110



Tritanopia

42.3105, 45.2034, 58.1249

Trichromacy



Original Color

35.6989, 45.3249, 25.6059

Protanomaly

39.1460, 44.9263, 24.3777

Deuteranomaly

41.4245, 44.5536, 26.1551

Tritanomaly

39.4062, 44.9321, 44.1319

Monochromacy



Original Color

35.6989, 45.3249, 25.6059

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.6787, 42.6803, 36.8241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6989, 45.3249, 25.6059 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, 190, 123)` looks like.

```
.text, #text, p{  
    color:rgb(156, 190, 123)  
}
```

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, 190, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 190, 123) }
```

Border

The CSS property to change the border of an element to XYZ 35.6989, 45.3249, 25.6059 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, 190, 123) }
```


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

```
.border{ border-color:rgb(156, 190, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 190, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 190, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 190, 123);  
box-shadow:4px 4px 4px 4px rgb(156, 190,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6989, 45.3249, 25.6059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 190, 123) }
```

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

```
.background{ background-color: rgb(156,  
190, 123) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor