

Converting Colors

XYZ(36.7992, 44.4958, 25.4450)

Have a look what the booklet for
XYZ(36.7992, 44.4958, 25.4450)
contains.

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Color

**XYZ(36.8599, 44.6549,
25.4154)**

Conversions

Conversions Part 1

Format	Color
Hex	A6BA7B
RGB	166, 186, 123
RGB Percent	65%, 73%, 48%
CMY	0.3490, 0.2706, 0.5176
CMYK	0.11, 0.00, 0.34, 0.27
HSL	79°, 31%, 61%
HSV	79°, 34%, 73%
XYZ	36.8599, 44.6549, 25.4154
YIQ	172.8380, 8.3030, -23.8330

Conversions

Conversions Part 2

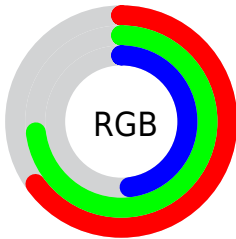
Format	Color
R _{YB}	123, 186, 143
Decimal	10926715
CIE _{Lab}	72.66, -17.55, 29.73
CIE _{LCh}	73, 34.521, 120.559
Y _{xy}	44.6549, 0.3447, 0.4176
Android (android.graphics.Color)	4289116795 (0xFFA6BA7B)
YUV	172.8380, -24.5701, -5.9969
Hunter-Lab	66.8243, -18.4830, 24.2272

Details

The XYZ color **36.8599, 44.6549, 25.4154** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **27.2755, 23.5520, 49.5654**, and the grayscale version is **39.7572, 41.8276, 45.5503**.

A 20% lighter version of the original color is **69.7128, 82.1684, 53.2601**, and **16.4002, 20.7668, 9.4473** is the 20% darker color. If you saturate the color by 10%, you get **34.5950, 43.6107, 19.7982**, and if you desaturate by 10%, it is **39.4052, 45.8209, 32.2024**.

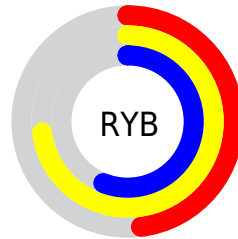
Distribution



Red (65%)

Green (73%)

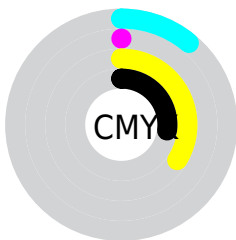
Blue (48%)



Red (48%)

Yellow (73%)

Blue (56%)

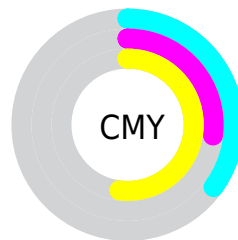


Cyan (11%)

Magenta (0%)

Yellow (34%)

Black (27%)



Cyan (35%)

Magenta (27%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8599, 44.6549, 25.4154 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 36.8599, 44.6549, 25.4154 by changing the saturation by 10% instead.

■ 36.8599, 44.6549,
25.4154

■ 36.8599, 44.6549,
25.4154

324.0696,
365.3741, 293.4140

■ 25.2722, 31.1857,
16.1650

■ 69.6725, 82.2023,
53.3028

■ 16.4098, 20.7403,
9.4854

■ 91.6281, 107.0493,
72.7768

■ 9.9073, 12.9343,
4.9580

■ 117.7704,
136.4577, 96.4958

■ 5.3993, 7.3833,
2.1643

148.4647,
170.8118, 124.8783

■ 2.5206, 3.7030,
0.6537

184.0765,
210.4961, 158.3428

■ 0.9056, 1.5088,
0.0000

224.9710,

■ 0.0000, 0.2949,

255.8950, 197.3079

0.0000

271.5136,
307.3929, 242.1921

■ 0.0000, 0.0000,
0.0000

■ 36.8599, 44.6549,
25.4154

■ 36.8599, 44.6549,
25.4154

■ 34.5950, 43.6107,
19.7982

■ 39.4052, 45.8209,
32.2024

■ 32.5938, 42.6769,
15.2817

■ 42.2398, 47.1077,
40.2172

■ 30.8428, 41.8497,
11.7940


■ 45.3764, 48.5221,
49.5177


■ 29.3258, 41.1222,
9.2534


■ 48.8257, 50.0683,
60.1570


■ 28.0240, 40.4872,
7.5660


■ 52.5980, 51.7507,
72.1853


 26.9153, 39.9354,
6.6186

 56.7031, 53.5732,
85.6502

 26.3040, 39.6275,
6.2625

 61.1501, 55.5395,
100.5972

 63.1226, 56.5231,
102.1909

 64.8698, 57.4238,
102.2726

Harmonies

Analogous

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



42.3310, 44.6549, 22.5616



36.8599, 44.6549, 25.4154



33.1942, 44.6549, 34.1617

Triad

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



36.8599, 44.6549, 25.4154



37.0372, 44.6549, 83.3185



55.0142, 44.6549, 48.3008

Complementary

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



36.8599, 44.6549, 25.4154



27.2755, 23.5520, 49.5654

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.



53.2680, 44.6549, 66.6757



36.8599, 44.6549, 25.4154



42.5555, 44.6549, 89.5570

Square

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



36.8599, 44.6549, 25.4154



33.2895, 44.6549, 67.3654



48.5635, 44.6549, 82.8590



53.1375, 44.6549, 33.7235

Rectangle

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



36.8599, 44.6549, 25.4154



32.0784, 44.6549, 43.4163



48.5635, 44.6549, 82.8590



54.8299, 44.6549, 54.2272

Sweetspot

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



36.8610, 44.6569, 25.4164



78.6000, 86.3035, 78.8624



33.6415, 31.5005, 23.0466



17.1357, 18.9272, 16.8573



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



36.8610, 44.6569, 25.4164



63.5608, 79.4407, 37.9414



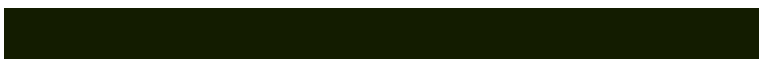
31.0550, 41.6637, 25.1446



9.4654, 10.3565, 9.6070



17.7759, 26.7001, 4.2168



0.6878, 0.9728, 0.1515

Inverse Universe

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



27.2755, 23.5520, 49.5654



43.4354, 35.1011, 88.6873



33.5035, 26.7627, 49.8569



8.7824, 8.8542, 11.3256



7.2482, 3.0478, 31.4593



0.3217, 0.1416, 1.1121

Previews

White Background



This preview shows how the XYZ color 36.8599, 44.6549, 25.4154 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 36.8599, 44.6549, 25.4154 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

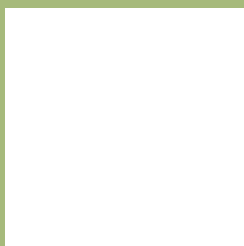
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8599, 44.6549, 25.4154

Background



This preview shows how black text looks on a background with the XYZ color 36.8599, 44.6549, 25.4154.



This preview shows how white text looks on a background with the XYZ color 36.8599, 44.6549,

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

36.8599, 44.6549, 25.4154

Protanopia

41.3029, 44.5343, 24.1884

Deuteranopia

45.2920, 44.2529, 25.8932



Tritanopia

42.9158, 44.3640, 56.1704

Trichromacy



Original Color

36.8599, 44.6549, 25.4154

Protanomaly

39.5035, 44.4955, 24.5956

Deuteranomaly

41.7327, 44.1334, 25.7211

Tritanomaly

40.3096, 44.2032, 42.9667

Monochromacy



Original Color

36.8599, 44.6549, 25.4154

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.4144, 42.7534, 37.2379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8599, 44.6549, 25.4154 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(166, 186, 123)` looks like.

```
.text, #text, p{  
    color:rgb(166, 186, 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(166, 186, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 186, 123) }
```

Border

The CSS property to change the border of an element to XYZ 36.8599, 44.6549, 25.4154 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(166, 186, 123) }
```


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

```
.border{ border-color:rgb(166, 186, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 186, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 186, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 186, 123); box-shadow:4px 4px 4px 4px rgb(166, 186, 123) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8599, 44.6549, 25.4154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 186, 123) }
```

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

```
.background{ background-color: rgb(166,  
186, 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](#).

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