

Converting Colors

XYZ(40.4200, 45.3956, 24.4497)

Have a look what the booklet for
XYZ(40.4200, 45.3956, 24.4497)
contains.

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Color

**XYZ(40.3678, 45.2511,
24.3760)**

Conversions

Conversions Part 1

Format	Color
Hex	BAB678
RGB	186, 182, 120
RGB Percent	73%, 71%, 47%
CMY	0.2706, 0.2863, 0.5294
CMYK	0.00, 0.02, 0.35, 0.27
HSL	56°, 32%, 60%
HSV	56°, 35%, 73%
XYZ	40.3678, 45.2511, 24.3760
YIQ	176.1280, 22.2860, -18.4340

Conversions

Conversions Part 2

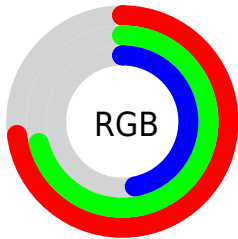
Format	Color
RYB	124, 186, 120
Decimal	12236408
CIELab	73.06, -8.03, 32.11
CIELCh	73, 33.094, 104.037
Yxy	45.2511, 0.3670, 0.4114
Android (android.graphics.Color)	4290426488 (0xFFBAB678)
YUV	176.1280, -27.6711, 8.6577
Hunter-Lab	67.2689, -10.6036, 25.6036

Details

The XYZ color **40.3678, 45.2511, 24.3760** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **23.8161, 21.9528, 49.4364**, and the grayscale version is **41.4663, 43.6257, 47.5084**.

A 20% lighter version of the original color is **75.0795, 83.2209, 51.6413**, and **18.4715, 21.0482, 8.8835** is the 20% darker color. If you saturate the color by 10%, you get **39.1177, 44.3852, 18.9209**, and if you desaturate by 10%, it is **41.8413, 46.2125, 30.9885**.

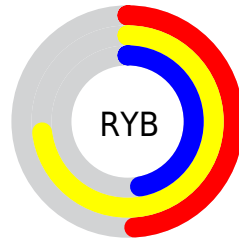
Distribution



Red (73%)

Green (71%)

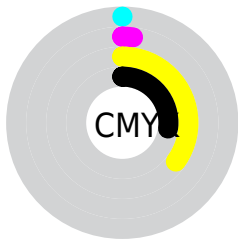
Blue (47%)



Red (49%)

Yellow (73%)

Blue (47%)

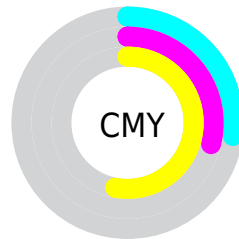


Cyan (0%)

Magenta (2%)

Yellow (35%)

Black (27%)



Cyan (27%)


Magenta (29%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3678, 45.2511, 24.3760 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 40.3678, 45.2511, 24.3760 by changing the saturation by 10% instead.


 40.3678, 45.2511,
24.3760


 40.3678, 45.2511,
24.3760


338.7793,
367.7896, 288.0635


 28.0109, 31.6553,
15.3980


 75.0040, 83.0971,
51.5946

 18.4744, 21.0983,
8.9495


 98.0141, 108.1160,
70.6722

 11.3928, 13.1959,
4.6119


 125.3060,
137.7114, 93.9535

 6.4010, 7.5636,
1.9667

157.2449,
172.2677, 121.8570

 3.1333, 3.8170,
0.5347

194.1964,
212.1693, 154.8012

 1.2247, 1.5717,
0.0000

236.5257,

 0.1257, 0.3384,

257.8005, 193.2047

0.0000

284.5982,
309.5458, 237.4859

■ 0.0000, 0.0000,
0.0000

■ 40.3678, 45.2511,
24.3760

■ 40.3678, 45.2511,
24.3760

■ 39.1177, 44.3852,
18.9209

■ 41.8413, 46.2125,
30.9885

■ 38.0749, 43.6036,
14.5531

■ 43.5466, 47.2681,
38.8172

■ 37.2264, 42.9026,
11.1997

■ 45.4957, 48.4241,
47.9205

■ 36.5564, 42.2760,
8.7772


■ 47.6987, 49.6847,
58.3520


■ 36.0466, 41.7164,
7.1892


■ 50.1653, 51.0537,
70.1623


 35.6744, 41.2148,
6.3163

 52.9047, 52.5348,
83.3995

 35.5293, 40.9984,
6.0409

 55.9254, 54.1315,
98.1093

 56.9331, 54.9259,
102.2088

 57.1796, 55.4189,
102.2910

Harmonies

Analogous

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



46.1422, 45.2511, 24.5498



40.3678, 45.2511, 24.3760



35.7315, 45.2511, 29.7335

Triad

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



40.3678, 45.2511, 24.3760



35.4983, 45.2511, 74.8994



54.6157, 45.2511, 58.5620

Complementary

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



40.3678, 45.2511, 24.3760



23.8161, 21.9528, 49.4364

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.



51.2149, 45.2511, 75.9052



40.3678, 45.2511, 24.3760



40.0225, 45.2511, 86.6857

Square

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



40.3678, 45.2511, 24.3760



33.0955, 45.2511, 57.4087



45.7647, 45.2511, 87.0904



54.7293, 45.2511, 41.9407

Rectangle

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



40.3678, 45.2511, 24.3760



33.7638, 45.2511, 36.5981



45.7647, 45.2511, 87.0904



53.8063, 45.2511, 64.5755

Sweetspot

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



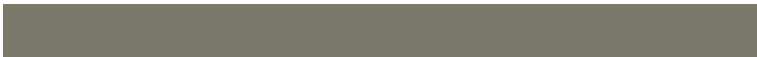
40.3689, 45.2532, 24.3769



80.3951, 86.5548, 77.1661



30.6299, 25.3379, 22.4786



17.6004, 18.9988, 16.5086



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.



40.3689, 45.2532, 24.3769



71.2768, 80.7180, 35.8995



34.9321, 43.6824, 24.3603



9.7024, 10.4077, 9.6044



23.9230, 27.6224, 4.0708



0.8575, 1.0021, 0.1482

Inverse Universe

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



23.8161, 21.9528, 49.4364



36.5916, 31.9003, 88.4302



27.9014, 23.3306, 49.4870



8.5636, 8.8044, 11.3275



6.0649, 2.5895, 31.4332



0.2286, 0.1209, 1.1130

Previews

White Background



This preview shows how the XYZ color 40.3678, 45.2511, 24.3760 looks on a white background.

Color Contrast Check

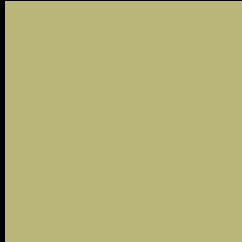
Large Text (above 18pt) WCAG AA × Fail

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 40.3678, 45.2511, 24.3760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

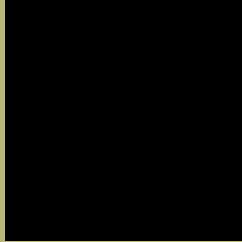
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.3678, 45.2511, 24.3760

Background



This preview shows how black text looks on a background with the XYZ color 40.3678, 45.2511, 24.3760.



This preview shows how white text looks on a background with the XYZ color 40.3678, 45.2511,

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

40.3678, 45.2511, 24.3760

Protanopia

41.9556, 45.1742, 23.9610

Deuteranopia

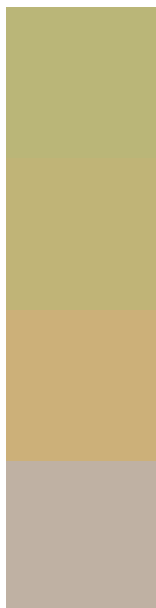
45.9969, 45.2063, 24.7137



Tritanopia

46.3538, 45.3293, 53.3200

Trichromacy



Original Color

40.3678, 45.2511, 24.3760

Protanomaly

41.3893, 45.1809, 23.9921

Deuteranomaly

43.8784, 45.2685, 24.5142

Tritanomaly

43.8189, 45.1650, 41.0585

Monochromacy



Original Color

40.3678, 45.2511, 24.3760

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.7435, 43.9444, 37.7872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3678, 45.2511, 24.3760 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(186, 182, 120)` looks like.

```
.text, #text, p{  
    color:rgb(186, 182, 120)  
}
```

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(186, 182, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 182, 120) }
```

Border

The CSS property to change the border of an element to XYZ 40.3678, 45.2511, 24.3760 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(186, 182, 120) }
```


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

```
.border{ border-color:rgb(186, 182, 120) }
```

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

Here you see how a box with a 4 pixel rgb(186, 182, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 182, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 182, 120);  
box-shadow:4px 4px 4px 4px rgb(186, 182,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3678, 45.2511, 24.3760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 182, 120) }
```

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

```
.background{ background-color: rgb(186,  
182, 120) }
```

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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