

Converting Colors

XYZ(32.6757, 45.6382, 24.2285)

Have a look what the booklet for
XYZ(32.6757, 45.6382, 24.2285)
contains.

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Color

**XYZ(32.8415, 45.8562,
24.2597)**

Conversions

Conversions Part 1

Format	Color
Hex	86C476
RGB	134, 196, 118
RGB Percent	53%, 77%, 46%
CMY	0.4745, 0.2314, 0.5372
CMYK	0.32, 0.00, 0.40, 0.23
HSL	108°, 40%, 62%
HSV	108°, 40%, 77%
XYZ	32.8415, 45.8562, 24.2597
YIQ	168.5700, -11.9140, -37.4020

Conversions

Conversions Part 2

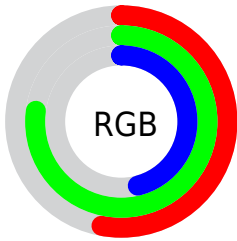
Format	Color
RYB	118, 196, 180
Decimal	8832118
CIELab	73.45, -34.71, 32.98
CIElCh	73, 47.881, 136.465
Yxy	45.8562, 0.3190, 0.4454
Android (android.graphics.Color)	4287022198 (0xFF86C476)
YUV	168.5700, -24.9310, -30.3179
Hunter-Lab	67.7172, -31.9362, 26.1614

Details

The XYZ color **32.8415, 45.8562, 24.2597** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **35.2665, 26.6470, 55.5116**, and the grayscale version is **37.6241, 39.5835, 43.1064**.

A 20% lighter version of the original color is **63.4622, 84.0097, 51.3987**, and **14.1097, 21.5127, 8.8775** is the 20% darker color. If you saturate the color by 10%, you get **29.4930, 44.2522, 18.6421**, and if you desaturate by 10%, it is **36.8003, 47.7495, 31.1711**.

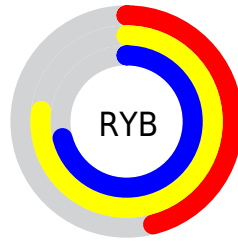
Distribution



Red (53%)

Green (77%)

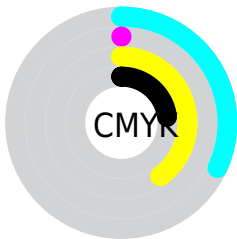
Blue (46%)



Red (46%)

Yellow (77%)

Blue (71%)

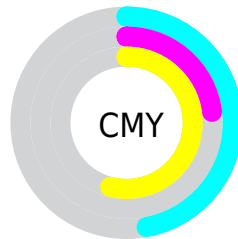


Cyan (32%)

Magenta (0%)

Yellow (40%)

Black (23%)



Cyan (47%)

Magenta (23%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8415, 45.8562, 24.2597 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 32.8415, 45.8562, 24.2597 by changing the saturation by 10% instead.

■ 32.8415, 45.8562,
24.2597

■ 32.8415, 45.8562,
24.2597

306.6126,
370.2302, 287.4595

■ 22.1637, 32.1324,
15.3124

■ 63.4843, 84.0037,
51.4028

■ 14.0945, 21.4626,
8.8899

■ 84.1801, 109.1962,
70.4357

■ 8.2686, 13.4626,
4.5736

■ 108.9458,
138.9804, 93.6675

■ 4.3205, 7.7478,
1.9450

138.1470,
173.7407, 121.5168

■ 1.8850, 3.9340,
0.5211

172.1489,
213.8614, 154.4021

■ 0.5681, 1.6367,
0.0000

211.3169,

■ 0.0000, 0.3822,

259.7269, 192.7420

0.0000

256.0163,
311.7218, 236.9549

■ 0.0000, 0.0000,
0.0000

■ 32.8415, 45.8562,
24.2597

■ 32.8415, 45.8562,
24.2597

■ 29.4930, 44.2522,
18.6421

■ 36.8003, 47.7495,
31.1711

■ 26.7202, 42.9175,
14.2349

■ 41.3946, 49.9396,
39.4468

■ 24.4903, 41.8383,
10.9499


■ 46.6526, 52.4407,
49.1555


■ 22.7658, 40.9976,
8.6855


■ 52.5994, 55.2646,
60.3606


■ 21.5036, 40.3758,
7.3218


■ 59.2592, 58.4223,
73.1219

 20.6384, 39.9442,
6.6337

 66.6546, 61.9243,
87.4955

 20.6238, 39.9369,
6.6216

 74.7745, 65.7675,
103.3611

 79.0308, 67.9617,
103.5603

Harmonies

Analogous

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



39.1429, 45.8562, 17.2933



32.8415, 45.8562, 24.2597



29.6277, 45.8562, 39.8175

Triad

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



32.8415, 45.8562, 24.2597



39.8940, 45.8562, 110.1604



61.0847, 45.8562, 37.8752

Complementary

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



32.8415, 45.8562, 24.2597



35.2665, 26.6470, 55.5116

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.



61.3541, 45.8562, 61.6234



32.8415, 45.8562, 24.2597



48.3509, 45.8562, 109.1209

Square

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



32.8415, 45.8562, 24.2597



33.3299, 45.8562, 91.7987



56.4479, 45.8562, 89.2989



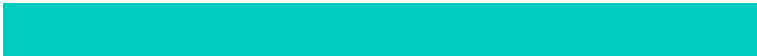
55.7533, 45.8562, 23.2355

Rectangle

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



32.8415, 45.8562, 24.2597



29.3597, 45.8562, 55.3506



56.4479, 45.8562, 89.2989



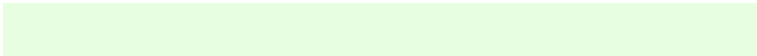
61.7919, 45.8562, 44.8747

Sweetspot

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



32.8427, 45.8582, 24.2607



82.1195, 93.8587, 84.5941



42.1770, 45.3261, 23.6660



17.2997, 19.9578, 17.5926



0.0000, 0.0000, 0.0000



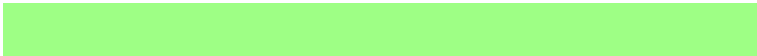
20.3446, 21.4041, 23.3091

Same Dimension

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



32.8427, 45.8582, 24.2607



54.0087, 80.4417, 34.7259



31.9535, 45.2299, 31.8968



10.1332, 11.3561, 10.7197



13.3094, 25.6901, 4.2572



0.6331, 1.1399, 0.1867

Inverse Universe

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



35.2665, 26.6470, 55.5116



58.9822, 40.6913, 99.3532



36.8753, 27.7459, 43.4070



10.2885, 10.1399, 12.6998



15.2591, 7.1268, 34.1280



0.7116, 0.3349, 1.4770

Previews

White Background



This preview shows how the XYZ color 32.8415, 45.8562, 24.2597 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 32.8415, 45.8562, 24.2597 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 32.8415, 45.8562, 24.2597

Background



This preview shows how black text looks on a background with the XYZ color 32.8415, 45.8562, 24.2597.



This preview shows how white text looks on a background with the XYZ color 32.8415, 45.8562,

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

32.8415, 45.8562, 24.2597

Protanopia

42.0108, 45.5481, 21.9067

Deuteranopia

46.3520, 45.3822, 25.0555



Tritanopia

40.3143, 45.6308, 61.9412

Trichromacy



Original Color

32.8415, 45.8562, 24.2597

Protanomaly

37.8297, 45.2170, 22.6535

Deuteranomaly

40.2248, 44.8673, 24.6293

Tritanomaly

37.0918, 45.6068, 45.3761

Monochromacy



Original Color

32.8415, 45.8562, 24.2597

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

35.3354, 41.5101, 35.0040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8415, 45.8562, 24.2597 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(134, 196, 118)` looks like.

```
.text, #text, p{  
    color:rgb(134, 196, 118)  
}
```

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(134, 196, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 196, 118) }
```

Border

The CSS property to change the border of an element to XYZ 32.8415, 45.8562, 24.2597 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(134, 196, 118) }
```


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

```
.border{ border-color:rgb(134, 196, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 196, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 196, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 196, 118);  
box-shadow:4px 4px 4px 4px rgb(134, 196,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8415, 45.8562, 24.2597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 196, 118) }
```

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

```
.background{ background-color: rgb(134,  
196, 118) }
```

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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