

Converting Colors

XYZ(38.9856, 47.7004, 29.7182)

Have a look what the booklet for
XYZ(38.9856, 47.7004, 29.7182)
contains.

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Color

**XYZ(38.8786, 47.5275,
29.6789)**

Conversions

Conversions Part 1

Format	Color
Hex	A6C086
RGB	166, 192, 134
RGB Percent	65%, 75%, 53%
CMY	0.3490, 0.2470, 0.4745
CMYK	0.14, 0.00, 0.30, 0.25
HSL	87°, 32%, 64%
HSV	87°, 30%, 75%
XYZ	38.8786, 47.5275, 29.6789
YIQ	177.6140, 3.1220, -23.5500

Conversions

Conversions Part 2

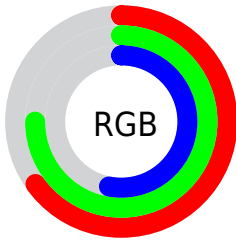
Format	Color
RYB	134, 192, 160
Decimal	10928262
CIELab	74.53, -19.04, 26.40
CIELCh	75, 32.551, 125.794
Yxy	47.5275, 0.3349, 0.4094
Android (android.graphics.Color)	4289118342 (0xFFA6C086)
YUV	177.6140, -21.5017, -10.1855
Hunter-Lab	68.9402, -19.9808, 22.7337

Details

The XYZ color **38.8786, 47.5275, 29.6789** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.5387, 28.3309, 53.6252**, and the grayscale version is **42.2228, 44.4217, 48.3752**.

A 20% lighter version of the original color is **72.7687, 86.2952, 60.3983**, and **17.4988, 22.3278, 11.7749** is the 20% darker color. If you saturate the color by 10%, you get **35.9150, 46.1421, 23.1732**, and if you desaturate by 10%, it is **42.2086, 49.0766, 37.4728**.

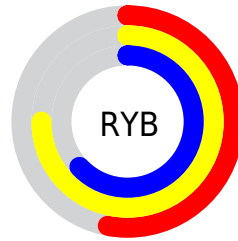
Distribution



Red (65%)

Green (75%)

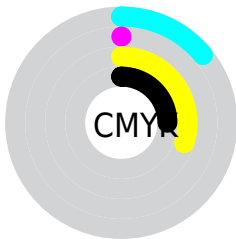
Blue (53%)



Red (53%)

Yellow (75%)

Blue (63%)

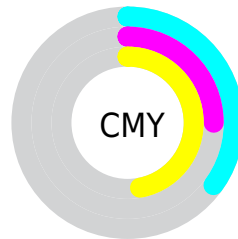


Cyan (14%)

Magenta (0%)

Yellow (30%)

Black (25%)



Cyan (35%)

Magenta (25%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8786, 47.5275, 29.6789 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 38.8786, 47.5275, 29.6789 by changing the saturation by 10% instead.

■ 38.8786, 47.5275,
29.6789

■ 38.8786, 47.5275,
29.6789

332.5901,
376.9162, 314.5654

■ 26.8456, 33.4529,
19.3450

■ 72.7481, 86.5005,
60.2090

■ 17.5933, 22.4736,
11.7405

■ 95.3153, 112.1676,
81.2423

■ 10.7563, 14.2053,
6.4469

■ 122.1246,
142.4677, 106.6791

■ 5.9693, 8.2636,
3.0455

153.5413,
177.7851, 136.9380

■ 2.8669, 4.2641,
1.1179

189.9309,
218.5043, 172.4376

■ 1.0838, 1.8224,
0.0000

231.6587,

■ 0.0115, 0.5010,

265.0096, 213.5963

0.0000

279.0900,
317.6854, 260.8328

■ 0.0000, 0.0000,
0.0000

■ 38.8786, 47.5275,
29.6789

■ 38.8786, 47.5275,
29.6789

■ 35.9150, 46.1421,
23.1732

■ 42.2086, 49.0766,
37.4728

■ 33.2987, 44.9077,
17.8833

■ 45.9158, 50.7892,
46.6162

■ 31.0140, 43.8194,
13.7341


■ 50.0150, 52.6731,
57.1699


■ 29.0425, 42.8695,
10.6411


■ 54.5191, 54.7336,
69.1903


■ 27.3631, 42.0492,
8.5078


■ 59.4402, 56.9759,
82.7307

 25.9518, 41.3486,
7.2204

 64.7900, 59.4049,
97.8415

 24.7854, 40.7608,
6.5613

 68.3453, 61.1316,
102.8051

 71.1170, 62.5605,
102.9348

 74.0263, 64.0602,
103.0710

Harmonies

Analogous

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



44.0418, 47.5275, 25.7583



38.8786, 47.5275, 29.6789



35.6267, 47.5275, 39.5766

Triad

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



38.8786, 47.5275, 29.6789



40.6947, 47.5275, 87.2542



57.3805, 47.5275, 48.5492

Complementary

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



38.8786, 47.5275, 29.6789



32.5387, 28.3309, 53.6252

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.



56.2894, 47.5275, 66.1927



38.8786, 47.5275, 29.6789



46.3244, 47.5275, 91.1081

Square

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



38.8786, 47.5275, 29.6789



36.6098, 47.5275, 73.0901



52.1136, 47.5275, 82.7053



54.9781, 47.5275, 35.0284

Rectangle

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



38.8786, 47.5275, 29.6789



34.8105, 47.5275, 49.4107



52.1136, 47.5275, 82.7053



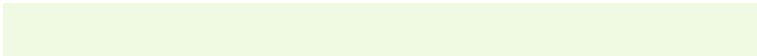
57.4126, 47.5275, 54.1607

Sweetspot

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



38.8798, 47.5296, 29.6799



83.9492, 92.3709, 86.3741



38.4642, 37.7716, 27.8183



17.7865, 19.7138, 17.9660



92.9021, 97.7402, 106.4391



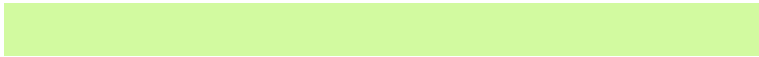
19.4759, 20.4902, 22.3138

Same Dimension

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



38.8798, 47.5296, 29.6799



66.9492, 84.4830, 46.0066



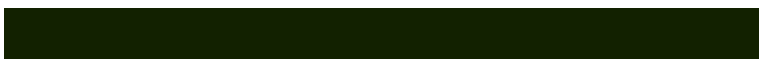
33.6134, 44.8146, 29.4335



10.4637, 11.5265, 10.7352



16.7678, 27.4730, 4.4191



0.8029, 1.2274, 0.1946

Inverse Universe

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



32.5387, 28.3309, 53.6252



53.6908, 44.3318, 96.0874



38.8133, 31.5656, 53.9189



9.9475, 9.9641, 12.6838



9.0764, 3.9395, 33.8386



0.4714, 0.2111, 1.4658

Previews

White Background



This preview shows how the XYZ color 38.8786, 47.5275, 29.6789 looks on a white background.

Color Contrast Check

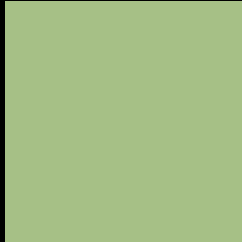
Large Text (above 18pt) WCAG AA × Fail

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 38.8786, 47.5275, 29.6789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

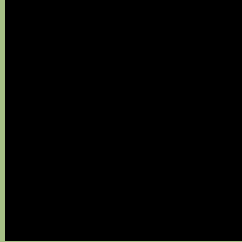
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8786, 47.5275, 29.6789

Background



This preview shows how black text looks on a background with the XYZ color 38.8786, 47.5275, 29.6789.



This preview shows how white text looks on a background with the XYZ color 38.8786, 47.5275,

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

38.8786, 47.5275, 29.6789

Protanopia

43.9887, 47.3490, 27.9399

Deuteranopia

48.2363, 47.0939, 30.5924



Tritanopia

45.0127, 47.4722, 60.2167

Trichromacy



Original Color

38.8786, 47.5275, 29.6789

Protanomaly

41.9053, 47.1956, 28.3737

Deuteranomaly

44.3279, 46.8597, 30.3754

Tritanomaly

42.5214, 47.4064, 47.4667

Monochromacy



Original Color

38.8786, 47.5275, 29.6789

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.9106, 45.4743, 40.8036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8786, 47.5275, 29.6789 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, 192, 134)` looks like.

```
.text, #text, p{  
    color:rgb(166, 192, 134)  
}
```

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, 192, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 192, 134) }
```

Border

The CSS property to change the border of an element to XYZ 38.8786, 47.5275, 29.6789 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, 192, 134) }
```


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

```
.border{ border-color:rgb(166, 192, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 192, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 192, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 192, 134);  
box-shadow:4px 4px 4px 4px rgb(166, 192,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8786, 47.5275, 29.6789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 192, 134) }
```

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

```
.background{ background-color: rgb(166,  
192, 134) }
```

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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