

Converting Colors

XYZ(27.1937, 34.0974, 21.5412)

Have a look what the booklet for
XYZ(27.1937, 34.0974, 21.5412)
contains.

XYZ(27.2876, 34.2168, 21.6893)	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(27.2876, 34.2168,
21.6893)**

Conversions

Conversions Part 1

Format	Color
Hex	89A774
RGB	137, 167, 116
RGB Percent	54%, 65%, 45%
CMY	0.4627, 0.3451, 0.5451
CMYK	0.18, 0.00, 0.31, 0.35
HSL	95°, 22%, 55%
HSV	95°, 31%, 65%
XYZ	27.2876, 34.2168, 21.6893
YIQ	152.2160, -1.5090, -22.2210

Conversions

Conversions Part 2

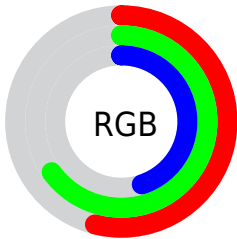
Format	Color
RYB	116, 167, 146
Decimal	9021300
CIELab	65.13, -19.87, 23.08
CIElCh	65, 30.457, 130.723
Yxy	34.2168, 0.3280, 0.4113
Android (android.graphics.Color)	4287211380 (0xFF89A774)
YUV	152.2160, -17.8545, -13.3444
Hunter-Lab	58.4951, -19.0974, 18.9626

Details

The XYZ color **27.2876, 34.2168, 21.6893** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.0761, 21.3929, 39.3688**, and the grayscale version is **30.0143, 31.5774, 34.3877**.

A 20% lighter version of the original color is **54.6750, 66.1461, 46.9316**, and **10.9816, 14.6451, 7.5582** is the 20% darker color. If you saturate the color by 10%, you get **24.8646, 33.0711, 16.9529**, and if you desaturate by 10%, it is **30.0337, 35.5110, 27.3539**.

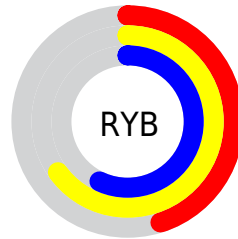
Distribution



Red (54%)

Green (65%)

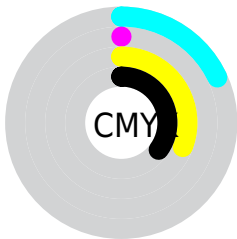
Blue (45%)



Red (45%)

Yellow (65%)

Blue (57%)

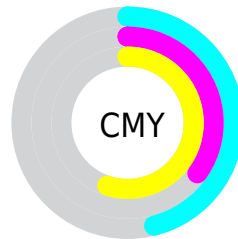


Cyan (18%)

Magenta (0%)

Yellow (31%)

Black (35%)



Cyan (46%)


Magenta (35%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.2876, 34.2168, 21.6893 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 27.2876, 34.2168, 21.6893 by changing the saturation by 10% instead.


 27.2876, 34.2168,
21.6893


 27.2876, 34.2168,
21.6893


281.1892,
321.0977, 273.8198


 17.9270, 23.0602,
13.4327


 54.7617, 66.2707,
47.1275

 10.9970, 14.6380,
7.5929

 73.6059, 87.9367,
65.1462

 6.1321, 8.5657,
3.7516


 96.3420, 113.8747,
87.2559

 2.9670, 4.4590,
1.4901

123.3355,
144.4691, 113.8753

 1.1363, 1.9335,
0.2105

154.9515,
180.1041, 145.4228

 0.0552, 0.5684,
0.0000

191.5556,

 0.0000, 0.0000,

221.1643, 182.3170

0.0000

233.5130,
268.0340, 224.9765

■ 27.2876, 34.2168,
21.6893

■ 27.2876, 34.2168,
21.6893

■ 24.8646, 33.0711,
16.9529

■ 30.0337, 35.5110,
27.3539

■ 22.7488, 32.0636,
13.0930

■ 33.1128, 36.9546,
33.9903

■ 20.9268, 31.1896,
10.0561


■ 36.5373, 38.5542,
41.6419


■ 19.3829, 30.4425,
7.7823


■ 40.3183, 40.3146,
50.3490


■ 18.0999, 29.8146,
6.2032


■ 44.4665, 42.2404,
60.1496


 17.0577, 29.2976,
5.2384

 48.9919, 44.3361,
71.0798

 16.2566, 28.8953,
4.7205

 53.9043, 46.6059,
83.1741

 59.2129, 49.0539,
96.4655

 63.0524, 50.9343,
101.1158

Harmonies

Analogous

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



30.9666, 34.2168, 18.0965



27.2876, 34.2168, 21.6893



25.1427, 34.2168, 29.7860

Triad

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



27.2876, 34.2168, 21.6893



29.7967, 34.2168, 65.2709



41.6055, 34.2168, 32.9096

Complementary

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



27.2876, 34.2168, 21.6893



25.0761, 21.3929, 39.3688

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.



41.2201, 34.2168, 45.8815



27.2876, 34.2168, 21.6893



34.1287, 34.2168, 66.6458

Square

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



27.2876, 34.2168, 21.6893



26.4980, 34.2168, 55.4941



38.3864, 34.2168, 58.9097



39.3961, 34.2168, 23.5286

Rectangle

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



27.2876, 34.2168, 21.6893



24.7441, 34.2168, 37.5640



38.3864, 34.2168, 58.9097



41.7798, 34.2168, 36.9502

Sweetspot

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



27.2885, 34.2183, 21.6900



60.1068, 66.5574, 62.6480



29.3306, 29.9586, 20.7602



13.2660, 14.8078, 13.6127



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



27.2885, 34.2183, 21.6900



45.7167, 59.7885, 32.6298



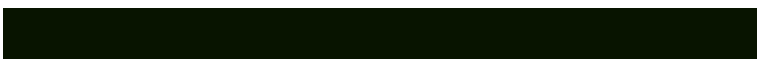
24.4276, 32.7142, 22.8766



7.7184, 8.5529, 8.0333



12.4921, 22.1371, 3.6145



0.3624, 0.5687, 0.0907

Inverse Universe

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



25.0761, 21.3929, 39.3688



41.0770, 32.9183, 69.6642



28.7716, 23.3426, 37.5240



7.5388, 7.5104, 9.4706



9.2686, 4.1616, 28.2902



0.2815, 0.1301, 0.6909

Previews

White Background



This preview shows how the XYZ color 27.2876, 34.2168, 21.6893 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 27.2876, 34.2168, 21.6893 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 27.2876, 34.2168, 21.6893

Background



This preview shows how black text looks on a background with the XYZ color 27.2876, 34.2168, 21.6893.



This preview shows how white text looks on a background with the XYZ color 27.2876, 34.2168,

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

27.2876, 34.2168, 21.6893

Protanopia

31.7291, 34.1696, 20.2523

Deuteranopia

34.6461, 33.9042, 22.1709



Tritanopia

31.9677, 34.2697, 44.4650

Trichromacy



Original Color

27.2876, 34.2168, 21.6893

Protanomaly

29.8261, 33.9511, 20.6040

Deuteranomaly

31.4754, 33.7468, 21.9944

Tritanomaly

30.0924, 34.3010, 34.7405

Monochromacy



Original Color

27.2876, 34.2168, 21.6893

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

28.7498, 32.1811, 29.1224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2876, 34.2168, 21.6893 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(137, 167, 116)` looks like.

```
.text, #text, p{  
    color:rgb(137, 167, 116)  
}
```

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(137, 167, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 167, 116) }
```

Border

The CSS property to change the border of an element to XYZ 27.2876, 34.2168, 21.6893 is called "border". The border property can be set on classes, ids or directly on the HTML element.

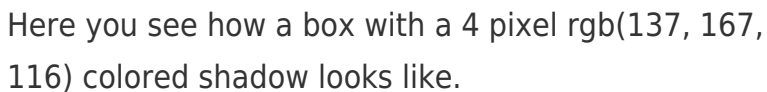
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 167, 116) }
```


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

```
.border{ border-color:rgb(137, 167, 116) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 167, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 167, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 167, 116); box-shadow:4px 4px 4px 4px rgb(137, 167, 116) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2876, 34.2168, 21.6893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 167, 116) }
```

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

```
.background{ background-color: rgb(137,  
167, 116) }
```

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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