

Converting Colors

XYZ(27.8056, 37.9721, 26.7658)

Have a look what the booklet for
XYZ(27.8056, 37.9721, 26.7658)
contains.

XYZ(27.8915, 38.1494, 26.6624)	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(27.8915, 38.1494,
26.6624)**

Conversions

Conversions Part 1

Format	Color
Hex	77B481
RGB	119, 180, 129
RGB Percent	47%, 71%, 51%
CMY	0.5333, 0.2941, 0.4941
CMYK	0.34, 0.00, 0.28, 0.29
HSL	130°, 29%, 59%
HSV	130°, 34%, 71%
XYZ	27.8915, 38.1494, 26.6624
YIQ	155.9470, -19.9850, -28.7930

Conversions

Conversions Part 2

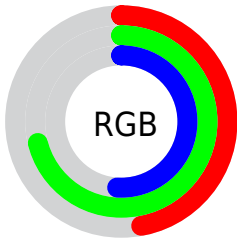
Format	Color
RYB	119, 171, 180
Decimal	7844993
CIELab	68.13, -30.37, 19.93
CIElCh	68, 36.324, 146.728
Yxy	38.1494, 0.3009, 0.4115
Android (android.graphics.Color)	4286035073 (0xFF77B481)
YUV	155.9470, -13.2849, -32.4025
Hunter-Lab	61.7652, -27.4833, 17.6417

Details

The XYZ color **27.8915, 38.1494, 26.6624** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **32.6763, 25.8002, 41.2896**, and the grayscale version is **31.6409, 33.2887, 36.2514**.

A 20% lighter version of the original color is **55.6725, 72.2525, 55.2679**, and **11.3154, 16.9365, 10.0698** is the 20% darker color. If you saturate the color by 10%, you get **24.7235, 36.6245, 21.6715**, and if you desaturate by 10%, it is **31.6768, 39.9776, 32.4530**.

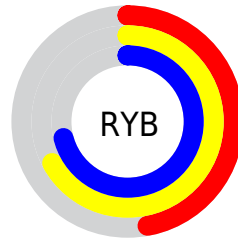
Distribution



Red (47%)

Green (71%)

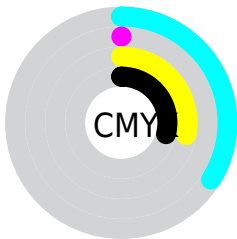
Blue (51%)



Red (47%)

Yellow (67%)

Blue (71%)

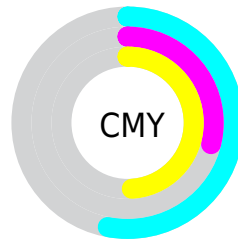


Cyan (34%)

Magenta (0%)

Yellow (28%)

Black (29%)



Cyan (53%)

Magenta (29%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8915, 38.1494, 26.6624 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 27.8915, 38.1494, 26.6624 by changing the saturation by 10% instead.

■ 27.8915, 38.1494,
26.6624

■ 27.8915, 38.1494,
26.6624

284.0376,
338.2604, 299.7271

■ 18.3839, 26.0987,
17.0896

■ 55.7210, 72.3371,
55.3388

■ 11.3273, 16.8975,
10.1358

■ 74.7737, 95.2428,
75.2795

■ 6.3564, 10.1614,
5.3823

■ 97.7387, 122.5356,
99.5133

■ 3.1057, 5.5061,
2.4106

124.9816,
154.6000, 128.4587

■ 1.2099, 2.5472,
0.7922

156.8675,
191.8203, 162.5342

■ 0.1142, 0.9002,
0.0000

193.7619,

■ 0.0000, 0.0000,

234.5808, 202.1584

0.0000

236.0302,
283.2661, 247.7499

■ 27.8915, 38.1494,
26.6624

■ 27.8915, 38.1494,
26.6624

■ 24.7235, 36.6245,
21.6715

■ 31.6768, 39.9776,
32.4530

■ 22.1368, 35.3820,
17.4426

■ 36.1067, 42.1194,
39.0736

■ 20.0965, 34.4055,
13.9391


■ 41.2108, 44.5903,
46.5560


■ 18.5623, 33.6755,
11.1200


■ 47.0156, 47.4035,
54.9298


■ 17.4887, 33.1692,
8.9403


■ 53.5465, 50.5713,
64.2228


 16.8213, 32.8596,
7.3498

 60.8273, 54.1057,
74.4619

 16.5501, 32.7352,
6.6418

 68.8810, 58.0177,
85.6729

 74.7230, 60.7683,
97.7396

 75.6120, 61.1239,
102.4207

Harmonies

Analogous

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



31.5768, 38.1494, 19.4356



27.8915, 38.1494, 26.6624



26.4331, 38.1494, 39.7823

Triad

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



27.8915, 38.1494, 26.6624



35.6414, 38.1494, 81.1314



46.8885, 38.1494, 29.0247

Complementary

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



27.8915, 38.1494, 26.6624



32.6763, 25.8002, 41.2896

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.



48.2624, 38.1494, 43.3451



27.8915, 38.1494, 26.6624



41.3845, 38.1494, 76.1085

Square

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



27.8915, 38.1494, 26.6624



30.6045, 38.1494, 73.4723



46.1541, 38.1494, 61.1181



42.5722, 38.1494, 20.5291

Rectangle

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



27.8915, 38.1494, 26.6624



26.7938, 38.1494, 51.1829



46.1541, 38.1494, 61.1181



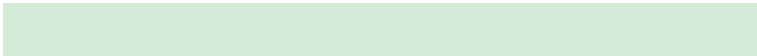
47.7280, 38.1494, 33.1883

Sweetspot

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



27.8925, 38.1510, 26.6633



68.7619, 77.9630, 75.7046



36.4145, 42.6173, 23.7600



14.5928, 16.7203, 15.9665



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



27.8925, 38.1510, 26.6633



45.9917, 66.9657, 41.1529



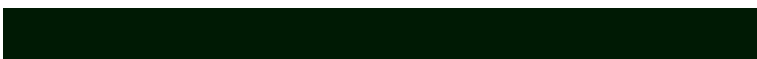
30.1579, 39.0571, 38.5925



8.4439, 9.5121, 9.3314



11.5676, 22.8530, 4.7257



0.3813, 0.7260, 0.2401

Inverse Universe

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



32.6763, 25.8002, 41.2896



56.0411, 40.9958, 71.8614



30.1799, 24.8016, 28.1439



8.7890, 8.6223, 10.3874



17.0278, 8.3287, 21.1042



0.5517, 0.2684, 0.7478

Previews

White Background



This preview shows how the XYZ color 27.8915, 38.1494, 26.6624 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 27.8915, 38.1494, 26.6624 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 27.8915, 38.1494, 26.6624

Background



This preview shows how black text looks on a background with the XYZ color 27.8915, 38.1494, 26.6624.



This preview shows how white text looks on a background with the XYZ color 27.8915, 38.1494,

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

27.8915, 38.1494, 26.6624

Protanopia

35.0994, 37.6625, 23.8320

Deuteranopia

38.4394, 37.7240, 27.8097



Tritanopia

33.0124, 38.1781, 52.0836

Trichromacy



Original Color

27.8915, 38.1494, 26.6624



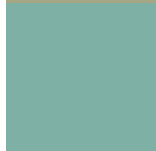
Protanomaly

31.7867, 37.2980, 24.9259



Deuteranomaly

33.5006, 37.3027, 27.2643



Tritanomaly

30.9210, 38.2029, 41.3415

Monochromacy



Original Color

27.8915, 38.1494, 26.6624



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.9711, 34.8252, 32.3364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8915, 38.1494, 26.6624 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(119, 180, 129)` looks like.

```
.text, #text, p{  
    color:rgb(119, 180, 129)  
}
```

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(119, 180, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 180, 129) }
```

Border

The CSS property to change the border of an element to XYZ 27.8915, 38.1494, 26.6624 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(119, 180, 129) }
```


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

```
.border{ border-color:rgb(119, 180, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 180, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 180, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 180, 129);  
box-shadow:4px 4px 4px 4px rgb(119, 180,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8915, 38.1494, 26.6624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 180, 129) }
```

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

```
.background{ background-color: rgb(119,  
180, 129) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor