

Converting Colors

XYZ(29.2744, 38.4971, 22.6261)

Have a look what the booklet for
XYZ(29.2744, 38.4971, 22.6261)
contains.

XYZ(29.1230, 38.2760, 22.6827)	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(29.1230, 38.2760,
22.6827)**

Conversions

Conversions Part 1

Format	Color
Hex	87B275
RGB	135, 178, 117
RGB Percent	53%, 70%, 46%
CMY	0.4706, 0.3019, 0.5412
CMYK	0.24, 0.00, 0.34, 0.30
HSL	102°, 28%, 58%
HSV	102°, 34%, 70%
XYZ	29.1230, 38.2760, 22.6827
YIQ	158.1890, -6.0470, -28.0870

Conversions

Conversions Part 2

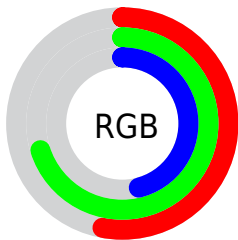
Format	Color
RYB	117, 178, 160
Decimal	8893045
CIELab	68.22, -25.95, 26.65
CIELCh	68, 37.199, 134.236
Yxy	38.2760, 0.3233, 0.4249
Android (android.graphics.Color)	4287083125 (0xFF87B275)
YUV	158.1890, -20.3062, -20.3368
Hunter-Lab	61.8676, -24.2428, 21.5697

Details

The XYZ color **29.1230, 38.2760, 22.6827** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **28.8959, 23.4116, 45.1173**, and the grayscale version is **32.6773, 34.3791, 37.4388**.

A 20% lighter version of the original color is **57.6648, 72.5667, 48.9977**, and **12.0332, 16.9694, 8.1100** is the 20% darker color. If you saturate the color by 10%, you get **26.2732, 36.9177, 17.5960**, and if you desaturate by 10%, it is **32.4118, 39.8399, 28.8303**.

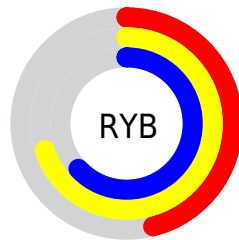
Distribution



Red (53%)

Green (70%)

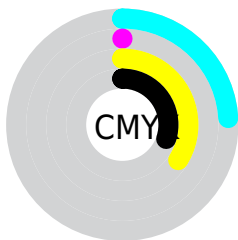
Blue (46%)



Red (46%)

Yellow (70%)

Blue (63%)

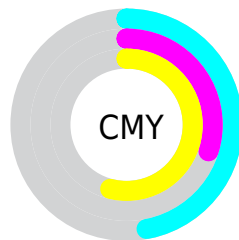


Cyan (24%)

Magenta (0%)

Yellow (34%)

Black (30%)



Cyan (47%)


Magenta (30%)


Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1230, 38.2760, 22.6827 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 29.1230, 38.2760, 22.6827 by changing the saturation by 10% instead.


 29.1230, 38.2760,
22.6827


 29.1230, 38.2760,
22.6827


289.7786,
338.8025, 279.1600


 19.3186, 26.1970,
14.1563


 57.6687, 72.5310,
48.7884

 12.0061, 16.9711,
8.0895


 77.1407, 95.4757,
67.2047

 6.8201, 10.2139,
4.0637


 100.5659,
122.8111, 89.7548

 3.3952, 5.5410,
1.6603

128.3098,
154.9217, 116.8571

 1.3660, 2.5680,
0.3333

160.7377,
192.1916, 148.9303

 0.2318, 0.9106,
0.0000

198.2148,

 0.0000, 0.0000,

235.0055, 186.3928

0.0000

241.1067,
283.7477, 229.6632

■ 29.1230, 38.2760,
22.6827

■ 29.1230, 38.2760,
22.6827

■ 26.2732, 36.9177,
17.5960

■ 32.4118, 39.8399,
28.8303

■ 23.8400, 35.7513,
13.5079

■ 36.1548, 41.6127,
36.0917

■ 21.8031, 34.7689,
10.3531


■ 40.3703, 43.6037,
44.5190


■ 20.1393, 33.9603,
8.0577


■ 45.0746, 45.8203,
54.1605


■ 18.8227, 33.3138,
6.5368

■ 50.2829, 48.2694,
65.0616


 17.8231, 32.8163,
5.6877

 56.0102, 50.9577,
77.2656

 17.3643, 32.5862,
5.3746

 62.2705, 53.8917,
90.8134

 68.3599, 56.7903,
101.9664

 72.6594, 59.0068,
102.1676

Harmonies

Analogous

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



33.6988, 38.2760, 17.7019



29.1230, 38.2760, 22.6827



26.6440, 38.2760, 33.5661

Triad

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



29.1230, 38.2760, 22.6827



33.4257, 38.2760, 80.7229



48.3323, 38.2760, 34.2858

Complementary

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



29.1230, 38.2760, 22.6827



28.8959, 23.4116, 45.1173

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.



48.2391, 38.2760, 50.9972



29.1230, 38.2760, 22.6827



39.2001, 38.2760, 81.0671

Square

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



29.1230, 38.2760, 22.6827



28.9415, 38.2760, 68.2498



44.7527, 38.2760, 69.0929



44.9954, 38.2760, 23.0879

Rectangle

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



29.1230, 38.2760, 22.6827



26.3283, 38.2760, 44.0866



44.7527, 38.2760, 69.0929



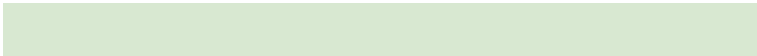
48.7114, 38.2760, 39.3550

Sweetspot

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



29.1240, 38.2776, 22.6835



68.5881, 76.8892, 71.4472



34.0913, 35.7886, 21.9413



14.9646, 16.9256, 15.3692



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.



29.1240, 38.2776, 22.6835



48.8928, 67.5423, 34.0929



27.2334, 37.2147, 26.5872



8.6168, 9.6075, 9.0528



12.4798, 23.3436, 3.8480



0.4526, 0.7654, 0.1239

Inverse Universe

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



28.8959, 23.4116, 45.1173



48.4012, 36.5289, 80.8809



31.5874, 24.9344, 39.1299



8.6010, 8.5183, 10.6972



11.9166, 5.4790, 30.5665



0.4299, 0.2007, 0.9643

Previews

White Background



This preview shows how the XYZ color 29.1230, 38.2760, 22.6827 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 29.1230, 38.2760, 22.6827 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 29.1230, 38.2760, 22.6827

Background



This preview shows how black text looks on a background with the XYZ color 29.1230, 38.2760, 22.6827.



This preview shows how white text looks on a background with the XYZ color 29.1230, 38.2760,

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

29.1230, 38.2760, 22.6827

Protanopia

35.3832, 38.1456, 20.8272

Deuteranopia

38.6143, 37.9125, 23.3718



Tritanopia

34.7760, 38.2793, 50.3555

Trichromacy



Original Color

29.1230, 38.2760, 22.6827

Protanomaly

32.7218, 37.8569, 21.5021

Deuteranomaly

34.4819, 37.6272, 23.2147

Tritanomaly

32.3569, 38.1411, 38.4575

Monochromacy



Original Color

29.1230, 38.2760, 22.6827

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

30.9907, 35.3775, 31.1817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1230, 38.2760, 22.6827 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(135, 178, 117)` looks like.

```
.text, #text, p{  
    color:rgb(135, 178, 117)  
}
```

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(135, 178, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 178, 117) }
```

Border

The CSS property to change the border of an element to XYZ 29.1230, 38.2760, 22.6827 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(135, 178, 117) }
```


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

```
.border{ border-color:rgb(135, 178, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 178, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 178, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 178, 117);  
box-shadow:4px 4px 4px 4px rgb(135, 178,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1230, 38.2760, 22.6827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 178, 117) }
```

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

```
.background{ background-color: rgb(135,  
178, 117) }
```

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