

Converting Colors

XYZ(27.1034, 29.1800, 12.7372)

Have a look what the booklet for
XYZ(27.1034, 29.1800, 12.7372)
contains.

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Color

**XYZ(27.1777, 29.3098,
12.8193)**

Conversions

Conversions Part 1

Format	Color
Hex	A39355
RGB	163, 147, 85
RGB Percent	64%, 58%, 33%
CMY	0.3608, 0.4235, 0.6667
CMYK	0.00, 0.10, 0.48, 0.36
HSL	48°, 31%, 49%
HSV	48°, 48%, 64%
XYZ	27.1777, 29.3098, 12.8193
YIQ	144.7160, 29.4380, -15.8900

Conversions

Conversions Part 2

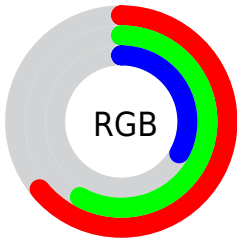
Format	Color
RYB	105, 163, 85
Decimal	10720085
CIELab	61.05, -2.73, 34.83
CIELCh	61, 34.935, 94.476
Yxy	29.3098, 0.3921, 0.4229
Android (android.graphics.Color)	4288910165 (0xFFA39355)
YUV	144.7160, -29.4400, 16.0351
Hunter-Lab	54.1385, -5.1349, 23.8579

Details

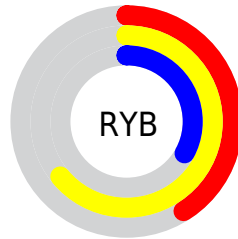
The XYZ color **27.1777, 29.3098, 12.8193** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.0108, 13.8827, 36.5389**, and the grayscale version is **26.9063, 28.3075, 30.8268**.

A 20% lighter version of the original color is **54.5440, 58.6109, 31.7308**, and **10.9153, 11.9342, 3.4785** is the 20% darker color. If you saturate the color by 10%, you get **26.0913, 28.0566, 9.6221**, and if you desaturate by 10%, it is **28.4299, 30.6556, 16.8083**.

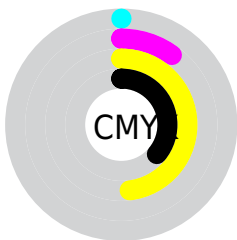
Distribution



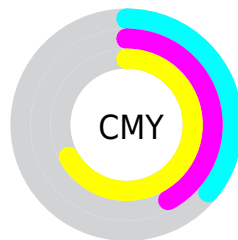
- Red (64%)
- Green (58%)
- Blue (33%)



- Red (41%)
- Yellow (64%)
- Blue (33%)



- Cyan (0%)
- Magenta (10%)
- Yellow (48%)
- Black (36%)



- Cyan (36%)
- Magenta (42%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1777, 29.3098, 12.8193 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 27.1777, 29.3098, 12.8193 by changing the saturation by 10% instead.

■ 27.1777, 29.3098,
12.8193

■ 27.1777, 29.3098,
12.8193

280.6684,
298.6739, 220.9233

■ 17.8440, 19.3153,
7.1750

■ 54.5868, 58.5689,
31.6652

■ 10.9371, 11.8983,
3.4917

■ 73.3928, 78.6024,
45.7038

■ 6.0915, 6.6745,
1.3508

■ 96.0871, 102.7509,
63.3776

■ 2.9420, 3.2594,
0.1029

■ 123.0349,
131.3989, 85.1052

■ 1.1232, 1.2686,
0.0000

■ 154.6015,
164.9308, 111.3050

■ 0.0444, 0.1167,
0.0000

191.1524,

■ 0.0000, 0.0000,

203.7310, 142.3956

0.0000

233.0529,
248.1839, 178.7955

■ 27.1777, 29.3098,
12.8193

■ 27.1777, 29.3098,
12.8193

■ 26.0913, 28.0566,
9.6221

■ 28.4299, 30.6556,
16.8083

■ 25.1579, 26.8875,
7.1603

■ 29.8552, 32.0940,
21.6370

■ 24.3665, 25.7989,
5.3727

■ 31.4630, 33.6300,
27.3514

■ 23.7032, 24.7852,
4.1873

■ 33.2616, 35.2671,
33.9937

■ 23.1447, 23.8367,
3.4816

■ 35.2585, 37.0084,
41.6033

■ 23.0301, 23.6381,
3.3488

■ 37.4609, 38.8570,
50.2175

■ 39.8755, 40.8160,
59.8716

■ 42.5090, 42.8879,
70.5989

■ 45.3673, 45.0755,
82.4316

Harmonies

Analogous

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



31.8202, 29.3098, 14.1593



27.1777, 29.3098, 12.8193



23.1725, 29.3098, 15.3332

Triad

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



27.1777, 29.3098, 12.8193



21.2216, 29.3098, 48.3908



36.5676, 29.3098, 44.0370

Complementary

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



27.1777, 29.3098, 12.8193



15.0108, 13.8827, 36.5389

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.



33.1363, 29.3098, 57.4914



27.1777, 29.3098, 12.8193



24.2393, 29.3098, 60.4495

Square

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



27.1777, 29.3098, 12.8193



19.9811, 29.3098, 33.9186



28.5497, 29.3098, 64.1672



37.5731, 29.3098, 29.9888

Rectangle

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



27.1777, 29.3098, 12.8193



21.2986, 29.3098, 19.4063



28.5497, 29.3098, 64.1672



35.6425, 29.3098, 48.8906

Sweetspot

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



27.1784, 29.3112, 12.8199



57.4647, 61.2607, 53.0620



20.7463, 15.2412, 14.3932



12.7609, 13.6250, 11.3850



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



27.1784, 29.3112, 12.8199



46.6903, 50.2025, 17.1289



25.7046, 32.5044, 13.5139



7.5255, 7.9894, 7.5256



17.9315, 18.4369, 2.6136



0.4063, 0.4463, 0.0647

Inverse Universe

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



15.0108, 13.8827, 36.5389



22.3716, 19.3938, 64.6204



15.9351, 12.2737, 36.1796



6.8127, 7.0844, 8.9114



5.5973, 2.9740, 27.2088



0.1477, 0.1227, 0.5817

Previews

White Background



This preview shows how the XYZ color 27.1777, 29.3098, 12.8193 looks on a white background.

Color Contrast Check

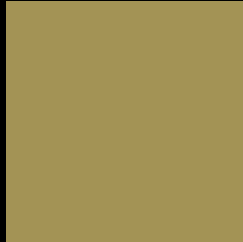
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1777, 29.3098, 12.8193 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 × Fail

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

XYZ 27.1777, 29.3098, 12.8193

Background



This preview shows how black text looks on a background with the XYZ color 27.1777, 29.3098, 12.8193.



This preview shows how white text looks on a background with the XYZ color 27.1777, 29.3098,

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

27.1777, 29.3098, 12.8193

Protanopia

26.9737, 29.2047, 12.8097

Deuteranopia

29.7950, 29.3053, 12.8902



Tritanopia

31.0998, 29.1023, 32.8323

Trichromacy



Original Color

27.1777, 29.3098, 12.8193

Protanomaly

26.9737, 29.2047, 12.8097

Deuteranomaly

28.7358, 29.2010, 12.9259

Tritanomaly

29.3752, 29.0678, 23.8011

Monochromacy



Original Color

27.1777, 29.3098, 12.8193

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

26.8029, 28.6632, 22.8588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1777, 29.3098, 12.8193 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(163, 147, 85)` looks like.

```
.text, #text, p{  
    color:rgb(163, 147, 85)  
}
```

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(163, 147, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 147, 85) }
```

Border

The CSS property to change the border of an element to XYZ 27.1777, 29.3098, 12.8193 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(163, 147, 85) }
```


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

```
.border{ border-color:rgb(163, 147, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 147, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 147, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 147, 85);  
box-shadow:4px 4px 4px 4px rgb(163, 147,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1777, 29.3098, 12.8193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 147, 85) }
```

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

```
.background{ background-color: rgb(163,  
147, 85) }
```

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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