

Converting Colors

XYZ(27.4708, 29.9252, 10.0591)

Have a look what the booklet for
XYZ(27.4708, 29.9252, 10.0591)
contains.

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Color

**XYZ(27.5788, 30.0441,
10.1399)**

Conversions

Conversions Part 1

Format	Color
Hex	A69546
RGB	166, 149, 70
RGB Percent	65%, 58%, 27%
CMY	0.3490, 0.4157, 0.7255
CMYK	0.00, 0.10, 0.58, 0.35
HSL	49°, 41%, 46%
HSV	49°, 58%, 65%
XYZ	27.5788, 30.0441, 10.1399
YIQ	145.0770, 35.4910, -20.9650

Conversions

Conversions Part 2

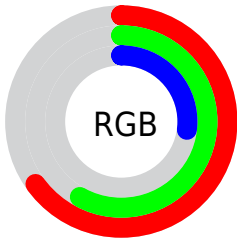
Format	Color
R_{YB}	91, 166, 70
Decimal	10917190
CIE _{Lab}	61.69, -3.86, 43.30
CIE _{LCh}	62, 43.470, 95.100
Yxy	30.0441, 0.4070, 0.4434
Android (android.graphics.Color)	4289107270 (0xFFA69546)
YUV	145.0770, -37.0130, 18.3495
Hunter-Lab	54.8125, -6.1100, 27.4005

Details

The XYZ color **27.5788, 30.0441, 10.1399** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **12.8168, 10.8713, 37.4990**, and the grayscale version is **27.0813, 28.4916, 31.0274**.

A 20% lighter version of the original color is **55.2386, 59.7803, 26.7165**, and **11.1349, 12.3502, 2.4130** is the 20% darker color. If you saturate the color by 10%, you get **26.6667, 28.9458, 7.5985**, and if you desaturate by 10%, it is **28.6489, 31.2267, 13.4493**.

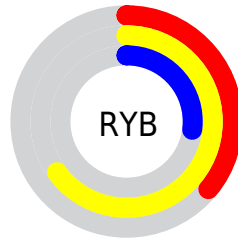
Distribution



Red (65%)

Green (58%)

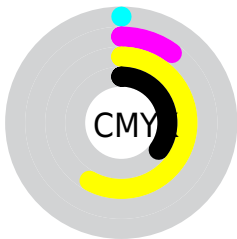
Blue (27%)



Red (36%)

Yellow (65%)

Blue (27%)

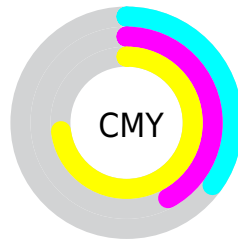


Cyan (0%)

Magenta (10%)

Yellow (58%)

Black (35%)



Cyan (35%)

Magenta (42%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5788, 30.0441, 10.1399 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 27.5788, 30.0441, 10.1399 by changing the saturation by 10% instead.

■ 27.5788, 30.0441,
10.1399

■ 27.5788, 30.0441,
10.1399

282.5655,
302.1100, 202.1886

■ 18.1472, 19.8721,
5.3850

■ 55.2246, 59.7319,
26.6702

■ 11.1561, 12.3021,
2.4122

■ 74.1696, 80.0165,
39.2827

■ 6.2400, 6.9498,
0.7931

■ 97.0164, 104.4407,
55.3515

■ 3.0336, 3.4307,
0.0000

■ 124.1304,
133.3889, 75.2951

■ 1.1715, 1.3605,
0.0000

■ 155.8770,
167.2455, 99.5321

■ 0.0837, 0.1873,
0.0000

192.6214,

■ 0.0000, 0.0000,

206.3950, 128.4810

0.0000

234.7291,
251.2217, 162.5603

■ 27.5788, 30.0441,
10.1399

■ 27.5788, 30.0441,
10.1399

■ 26.6667, 28.9458,
7.5985

■ 28.6489, 31.2267,
13.4493

■ 25.8982, 27.9224,
5.7586

■ 29.8859, 32.4938,
17.5820

■ 25.2595, 26.9694,
4.5456

■ 31.3003, 33.8509,
22.5906

■ 24.7267, 26.0772,
3.8336

■ 32.9013, 35.3018,
28.5225

■ 24.6163, 25.8881,
3.6995

■ 34.6973, 36.8500,
35.4219

■ 36.6962, 38.4989,
43.3300

■ 38.9055, 40.2514,
52.2858

■ 41.3323, 42.1107,
62.3259

■ 43.9833, 44.0794,
73.4855

Harmonies

Analogous

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



33.4986, 30.0441, 11.4942



27.5788, 30.0441, 10.1399



22.6271, 30.0441, 12.9624

Triad

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



27.5788, 30.0441, 10.1399



20.3899, 30.0441, 54.6555



39.8769, 30.0441, 48.0375

Complementary

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



27.5788, 30.0441, 10.1399



12.8168, 10.8713, 37.4990

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.



35.4395, 30.0441, 66.2996



27.5788, 30.0441, 10.1399



24.1252, 30.0441, 70.9379

Square

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



27.5788, 30.0441, 10.1399



18.8500, 30.0441, 35.6266



29.5560, 30.0441, 75.7931



41.1262, 30.0441, 29.9626

Rectangle

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



27.5788, 30.0441, 10.1399



20.3721, 30.0441, 17.6652



29.5560, 30.0441, 75.7931



38.6819, 30.0441, 54.5271

Sweetspot

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



27.5795, 30.0455, 10.1405



59.8719, 64.2100, 52.3661



19.6611, 13.1855, 10.6551



13.2669, 14.2528, 11.2236



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.



27.5795, 30.0455, 10.1405



48.0326, 52.0663, 12.8587



24.8302, 32.9153, 10.8393



8.0322, 8.5445, 8.0152



19.1194, 20.1361, 2.8790



0.4939, 0.5473, 0.0796

Inverse Universe

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



12.8168, 10.8713, 37.4990



18.7932, 14.1436, 67.2148



14.3732, 9.8660, 37.2229



7.2352, 7.5074, 9.4861



5.7109, 2.8819, 28.2308



0.1691, 0.1303, 0.6969

Previews

White Background



This preview shows how the XYZ color 27.5788, 30.0441, 10.1399 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 27.5788, 30.0441, 10.1399 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 27.5788, 30.0441, 10.1399

Background



This preview shows how black text looks on a background with the XYZ color 27.5788, 30.0441, 10.1399.



This preview shows how white text looks on a background with the XYZ color 27.5788, 30.0441,

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

27.5788, 30.0441, 10.1399

Protanopia

27.3700, 29.9364, 10.1301

Deuteranopia

30.6099, 30.0042, 10.3090



Tritanopia

32.1976, 29.8748, 33.3476

Trichromacy



Original Color

27.5788, 30.0441, 10.1399

Protanomaly

27.3700, 29.9364, 10.1301

Deuteranomaly

29.3942, 30.0528, 10.2128

Tritanomaly

29.9129, 29.5961, 22.5484

Monochromacy



Original Color

27.5788, 30.0441, 10.1399

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

26.6858, 28.6381, 21.2608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5788, 30.0441, 10.1399 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, 149, 70)` looks like.

```
.text, #text, p{  
    color:rgb(166, 149, 70)  
}
```

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, 149, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 149, 70) }
```

Border

The CSS property to change the border of an element to XYZ 27.5788, 30.0441, 10.1399 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, 149, 70) }
```


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

```
.border{ border-color:rgb(166, 149, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 149, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 149, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 149, 70);  
box-shadow:4px 4px 4px 4px rgb(166, 149,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5788, 30.0441, 10.1399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 149, 70) }
```

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

```
.background{ background-color: rgb(166,  
149, 70) }
```

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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