

Converting Colors

XYZ(27.6334, 29.5787, 2.5685)

Have a look what the booklet for
XYZ(27.6334, 29.5787, 2.5685)
contains.

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Color

**XYZ(27.9581, 29.6717,
4.2537)**

Conversions

Conversions Part 1

Format	Color
Hex	AF9200
RGB	175, 146, 0
RGB Percent	69%, 57%, 0%
CMY	0.3137, 0.4274, 0.9999
CMYK	0.00, 0.17, 1.00, 0.31
HSL	50°, 100%, 34%
HSV	50°, 100%, 69%
XYZ	27.9581, 29.6717, 4.2537
YIQ	138.0270, 64.1500, -39.2580

Conversions

Conversions Part 2

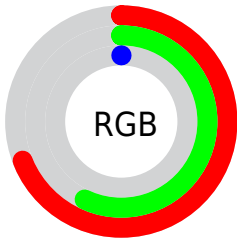
Format	Color
R_{YB}	35, 175, 0
Decimal	11506176
CIE Lab	61.37, -0.96, 65.53
CIE LCh	61, 65.541, 90.843
Yxy	29.6717, 0.4518, 0.4795
Android (android.graphics.Color)	4289696256 (0xFFAF9200)
YUV	138.0270, -68.0473, 32.4253
Hunter-Lab	54.4717, -3.7088, 33.5003

Details

The XYZ color **27.9581, 29.6717, 4.2537** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **8.1775, 3.9743, 40.8933**, and the grayscale version is **24.4035, 25.6744, 27.9594**.

A 20% lighter version of the original color is **56.0849, 59.4386, 14.6477**, and **11.6541, 12.2173, 1.7439** is the 20% darker color. If you saturate the color by 10%, you get **27.9584, 29.6724, 4.2538**, and if you desaturate by 10%, it is **28.5167, 30.6206, 4.9590**.

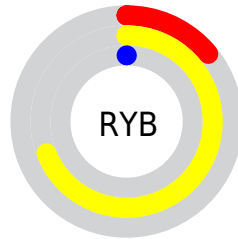
Distribution



Red (69%)

Green (57%)

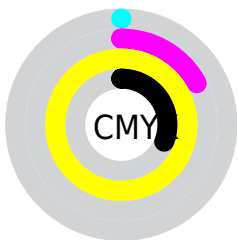
Blue (0%)



Red (14%)

Yellow (69%)

Blue (0%)

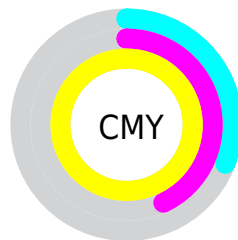


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (31%)



Cyan (31%)

Magenta (43%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9581, 29.6717, 4.2537 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 27.9581, 29.6717, 4.2537 by changing the saturation by 10% instead.

■ 27.9581, 29.6717,
4.2537

■ 27.9581, 29.6717,
4.2537

284.3504,
300.3712, 151.0048

■ 18.4344, 19.5895,
1.7655

■ 55.8267, 59.1426,
14.5908

■ 11.3639, 12.0970,
0.4051

■ 74.9022, 79.3001,
23.2767

■ 6.3812, 6.8098,
0.0000

■ 97.8924, 103.5849,
34.8657

■ 3.1211, 3.3434,
0.0000

■ 125.1625,
132.3813, 49.7763

■ 1.2181, 1.3135,
0.0000

■ 157.0781,
166.0737, 68.4269


■ 0.1206, 0.1517,
0.0000


■ 194.0043,


■ 0.0000, 0.0000,


205.0466, 91.2362


0.0000


 236.3066,
249.6843, 118.6227


 27.9581, 29.6717,
4.2537


 27.9581, 29.6717,
4.2537


 27.9584, 29.6724,
4.2538

 28.5167, 30.6206,
4.9590

 29.1791, 31.6283,
6.1581

 29.9826, 32.7107,
8.0433

 30.9443, 33.8749,
10.7041

 32.0786, 35.1269,
14.2165

■ 33.3984, 36.4718,
18.6476

■ 34.9151, 37.9144,
24.0574

■ 36.6393, 39.4590,
30.5011

■ 38.5807, 41.1097,
38.0298

Harmonies

Analogous

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



37.1035, 29.6717, 6.0126



27.9581, 29.6717, 4.2537



20.5074, 29.6717, 6.2439

Triad

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



27.9581, 29.6717, 4.2537



16.1994, 29.6717, 63.3880



45.3574, 29.6717, 61.5048

Complementary

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



27.9581, 29.6717, 4.2537



8.1775, 3.9743, 40.8933

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.



37.6146, 29.6717, 92.8649



27.9581, 29.6717, 4.2537



20.8520, 29.6717, 94.2887

Square

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



27.9581, 29.6717, 4.2537



14.6294, 29.6717, 33.0132



28.4474, 29.6717, 107.1447



48.3089, 29.6717, 31.6118

Rectangle

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



27.9581, 29.6717, 4.2537



17.1738, 29.6717, 10.6021



28.4474, 29.6717, 107.1447



43.1601, 29.6717, 72.6706

Sweetspot

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



27.9588, 29.6731, 4.2543



62.3801, 67.7633, 42.5313



17.9032, 9.2038, 2.0068



13.6072, 14.8199, 8.5234



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



27.9588, 29.6731, 4.2543



49.9347, 52.8665, 7.5724



22.6219, 34.4189, 5.4516



8.5480, 9.1009, 8.5195



20.0604, 21.3262, 3.0591



0.5876, 0.6523, 0.0949

Inverse Universe

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



8.1775, 3.9743, 40.8933



14.5388, 6.9044, 73.2033



9.5028, 4.0052, 40.8294



7.6822, 7.9637, 10.0850



5.8875, 2.9088, 29.2957



0.1954, 0.1442, 0.8255

Previews

White Background



This preview shows how the XYZ color 27.9581, 29.6717, 4.2537 looks on a white background.

Color Contrast Check

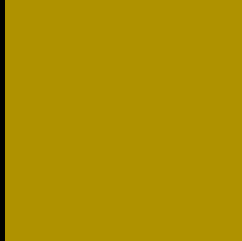
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9581, 29.6717, 4.2537 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 27.9581, 29.6717, 4.2537

Background



This preview shows how black text looks on a background with the XYZ color 27.9581, 29.6717, 4.2537.



This preview shows how white text looks on a background with the XYZ color 27.9581, 29.6717,

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

27.9581, 29.6717, 4.2537

Protanopia

26.7167, 29.7235, 4.5014

Deuteranopia

30.3501, 29.7756, 4.5996



Tritanopia

33.5209, 29.7509, 31.1699

Trichromacy



Original Color

27.9581, 29.6717, 4.2537

Protanomaly

27.1894, 29.7346, 4.4212

Deuteranomaly

29.4057, 29.7341, 4.4766

Tritanomaly

30.1763, 29.2498, 14.4112

Monochromacy



Original Color

27.9581, 29.6717, 4.2537

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

24.0488, 26.3336, 13.0479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9581, 29.6717, 4.2537 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(175, 146, 0)` looks like.

```
.text, #text, p{  
    color:rgb(175, 146, 0)  
}
```

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(175, 146, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 146, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.9581, 29.6717, 4.2537 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(175, 146, 0) }
```


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

```
.border{ border-color:rgb(175, 146, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 146, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 146, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 146, 0);  
box-shadow:4px 4px 4px 4px rgb(175, 146,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9581, 29.6717, 4.2537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 146, 0) }
```

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

```
.background{ background-color: rgb(175,  
146, 0) }
```

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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