

Converting Colors

$Y_{xy}(29.0327, 0.4957, 0.4159)$

Have a look what the booklet for
Yxy(29.0327, 0.4957, 0.4159)
contains.

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Color

Yxy(29.0622, 0.4957, 0.4161)

Conversions

Conversions Part 1

Format	Color
Hex	D27F2C
RGB	210, 127, 44
RGB Percent	82%, 50%, 17%
CMY	0.1765, 0.5019, 0.8277
CMYK	0.00, 0.40, 0.79, 0.18
HSL	30°, 65%, 50%
HSV	30°, 79%, 82%
XYZ	34.6218, 29.0622, 6.1603
YIQ	142.3550, 76.1110, -8.2170

Conversions

Conversions Part 2

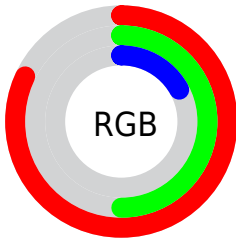
Format	Color
R _Y B	210, 210, 44
Decimal	13795116
CIE Lab	60.84, 25.90, 55.70
CIE LCh	61, 61.423, 65.065
Yxy	29.0622, 0.4957, 0.4161
Android (android.graphics.Color)	4291985196 (0xFFD27F2C)
YUV	142.3550, -48.4890, 59.3247
Hunter-Lab	53.9094, 20.2953, 30.9614

Details

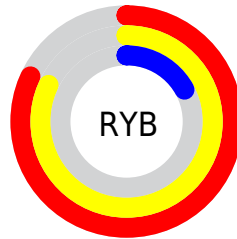
The Yxy color **29.0622, 0.4957, 0.4161** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **20.3460, 0.1939, 0.1948**, and the grayscale version is **27.3698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7470, 0.4490, 0.4119**, and **11.7918, 0.5345, 0.4138** is the 20% darker color. If you saturate the color by 10%, you get **26.3726, 0.5197, 0.4149**, and if you desaturate by 10%, it is **32.1170, 0.4690, 0.4121**.

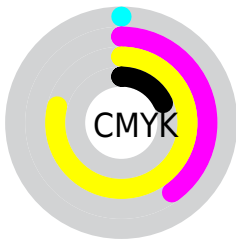
Distribution



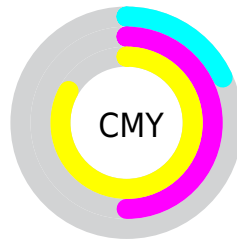
- Red (82%)
- Green (50%)
- Blue (17%)



- Red (82%)
- Yellow (82%)
- Blue (17%)



- Cyan (0%)
- Magenta (40%)
- Yellow (79%)
- Black (18%)





- Cyan (18%)
- Magenta (50%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0622, 0.4957, 0.4161 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 Yxy color 29.0622, 0.4957, 0.4161 by changing the saturation by 10% instead.

 29.0622, 0.4957,
0.4161


 29.0622, 0.4957,
0.4161

297.5083, 0.4022,
0.3805


 19.1279, 0.5169,
0.4201


 58.1759, 0.4627,
0.4064

 11.7627, 0.5416,
0.4215


 78.1241, 0.4499,
0.4017


 6.5823, 0.5772,
0.4228


 102.1790, 0.4389,
0.3973

 3.2023, 0.5993,
0.4007

 130.7250, 0.4295,
0.3933

 1.2382, 0.6353,
0.3647

 164.1465, 0.4213,
0.3896

 0.0926, 0.8861,
0.1139

 202.8280, 0.4141,

 0.0000, 0.0000,

0.3863

0.0000

247.1538, 0.4078,
0.3833

■ 29.0622, 0.4957,
0.4161

■ 29.0622, 0.4957,
0.4161

■ 26.3726, 0.5197,
0.4149

■ 32.1170, 0.4690,
0.4121

■ 24.0177, 0.5401,
0.4086

■ 35.5513, 0.4414,
0.4040

■ 23.8161, 0.5419,
0.4079

■ 39.3836, 0.4145,
0.3929

■ 43.6293, 0.3892,
0.3802

■ 48.3029, 0.3661,
0.3668

■ 53.4179, 0.3455,
0.3533

■ 58.9872, 0.3273,
0.3402

■ 65.0231, 0.3113,
0.3279

■ 71.5373, 0.2975,
0.3164

Harmonies

Analogous

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



29.0622, 0.5039, 0.3469



29.0622, 0.4957, 0.4161



29.0622, 0.4361, 0.4821

Triad

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



29.0622, 0.4957, 0.4161



29.0622, 0.1878, 0.3645



29.0622, 0.2502, 0.1943

Complementary

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



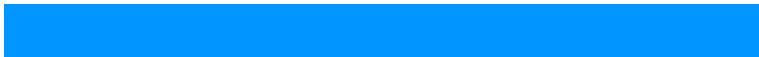
29.0622, 0.4957, 0.4161



20.3460, 0.1939, 0.1948

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.



29.0622, 0.1848, 0.1852



29.0622, 0.4957, 0.4161



29.0622, 0.1530, 0.2638

Square

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



29.0622, 0.4957, 0.4161



29.0622, 0.2588, 0.4730



29.0622, 0.1530, 0.2056



29.0622, 0.3463, 0.2285

Rectangle

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



29.0622, 0.4957, 0.4161



29.0622, 0.3801, 0.5112



29.0622, 0.1530, 0.2056



29.0622, 0.2246, 0.1883

Sweetspot

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



29.0637, 0.4957, 0.4161



78.6809, 0.3558, 0.3602



17.0293, 0.4470, 0.2431



16.2396, 0.3635, 0.3651



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



29.0637, 0.4957, 0.4161



38.3209, 0.5341, 0.4108



59.9775, 0.4126, 0.4942



12.7713, 0.3278, 0.3407



14.7283, 0.5396, 0.4097



0.9822, 0.5118, 0.4319

Inverse Universe

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



20.3460, 0.1939, 0.1948



24.3025, 0.1794, 0.1632



6.9831, 0.1651, 0.0850



12.3798, 0.2982, 0.3171



9.1957, 0.1775, 0.1588



0.6729, 0.1867, 0.1922

Previews

White Background



This preview shows how the Yxy color 29.0622, 0.4957, 0.4161 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 Yxy color 29.0622, 0.4957, 0.4161 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](#).

Yxy 29.0622, 0.4957, 0.4161

Background



This preview shows how black text looks on a background with the Yxy color 29.0622, 0.4957, 0.4161.



This preview shows how white text looks on a background with the Yxy color 29.0622, 0.4957, 0.4161.

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

29.0622, 0.4957, 0.4161

Protanopia

29.4009, 0.4216, 0.4649

Deuteranopia

29.2169, 0.4580, 0.4498



Tritanopia

29.0221, 0.4200, 0.3194

Trichromacy



Original Color

29.0622, 0.4957, 0.4161

Protanomaly

28.7852, 0.4491, 0.4466

Deuteranomaly

28.9574, 0.4722, 0.4367

Tritanomaly

28.9283, 0.4544, 0.3596

Monochromacy



Original Color

29.0622, 0.4957, 0.4161

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.1474, 0.3814, 0.3767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0622, 0.4957, 0.4161 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(210, 127, 44)` looks like.

```
.text, #text, p{  
    color:rgb(210, 127, 44)  
}
```

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(210, 127, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 127, 44) }
```

Border

The CSS property to change the border of an element to Yxy 29.0622, 0.4957, 0.4161 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(210, 127, 44) }
```

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

```
.border{ border-color:rgb(210, 127, 44) }
```

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

Here you see how a box with a 4 pixel rgb(210, 127, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 127, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 127, 44);  
box-shadow:4px 4px 4px 4px rgb(210, 127,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0622, 0.4957, 0.4161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 127, 44) }
```

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

```
.background{ background-color: rgb(210,  
127, 44) }
```

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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