

Converting Colors

$Y_{xy}(36.2028, 0.4936, 0.3961)$

Have a look what the booklet for
Yxy(36.2028, 0.4936, 0.3961)
contains.

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Color

Yxy(36.2028, 0.4936, 0.3961)

Conversions

Conversions Part 1

Format	Color
Hex	EE8844
RGB	238, 136, 68
RGB Percent	93%, 53%, 27%
CMY	0.0666, 0.4667, 0.7333
CMYK	0.00, 0.43, 0.71, 0.07
HSL	24°, 83%, 60%
HSV	24°, 71%, 93%
XYZ	45.1141, 36.2028, 10.0812
YIQ	158.7460, 82.6200, 0.4760

Conversions

Conversions Part 2

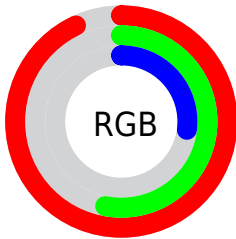
Format	Color
R _{YB}	238, 181, 68
Decimal	15632452
CIE Lab	66.67, 33.67, 52.06
CIE LCh	67, 62.003, 57.108
Yxy	36.2028, 0.4936, 0.3961
Android (android.graphics.Color)	4293822532 (0xFFEE8844)
YUV	158.7460, -44.7378, 69.5058
Hunter-Lab	60.1688, 28.5427, 32.1842

Details

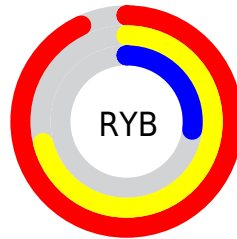
The Yxy color **36.2028, 0.4936, 0.3961** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **36.1724, 0.2084, 0.2340**, and the grayscale version is **34.7300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4188, 0.4256, 0.4015**, and **15.7616, 0.5394, 0.4003** is the 20% darker color. If you saturate the color by 10%, you get **32.2117, 0.5250, 0.3965**, and if you desaturate by 10%, it is **40.8520, 0.4610, 0.3912**.

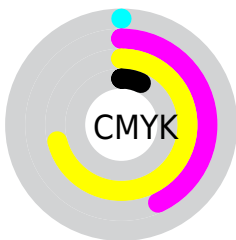
Distribution



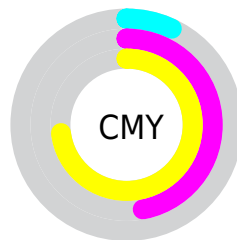
- Red (93%)
- Green (53%)
- Blue (27%)



- Red (93%)
- Yellow (71%)
- Blue (27%)



- Cyan (0%)
- Magenta (43%)
- Yellow (71%)
- Black (7%)




- Cyan (7%)
- Magenta (47%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.2028, 0.4936, 0.3961 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 36.2028, 0.4936, 0.3961 by changing the saturation by 10% instead.

 36.2028, 0.4936,
0.3961


 36.2028, 0.4936,
0.3961


329.8461, 0.4024,
0.3708

 24.5909, 0.5147,
0.3986


 69.3450, 0.4613,
0.3895


 15.7725, 0.5400,
0.3994


 91.6440, 0.4488,
0.3862

 9.3633, 0.5705,
0.3964


 118.2742, 0.4382,
0.3831

 4.9789, 0.6115,
0.3885

 149.6199, 0.4290,
0.3802

 2.2349, 0.6439,
0.3561

 186.0655, 0.4211,
0.3775

 0.7389, 0.7001,
0.2999

227.9955, 0.4141,

 0.0000, 1.0000,

0.3751

0.0000

275.7942, 0.4079,
0.3728

■ 0.0000, 0.0000,
0.0000

■ 36.2028, 0.4936,
0.3961

■ 36.2028, 0.4936,
0.3961

■ 32.2117, 0.5250,
0.3965

■ 40.8520, 0.4610,
0.3912

■ 28.8365, 0.5527,
0.3916


■ 46.1861, 0.4295,
0.3831

■ 26.3964, 0.5724,
0.3837

■ 52.2370, 0.4003,
0.3731


■ 59.0326, 0.3743,
0.3622

■ 66.5992, 0.3515,
0.3512

 74.9616, 0.3318,
0.3405

 84.1433, 0.3149,
0.3304

 93.9437, 0.3024,
0.3243

 96.9214, 0.3023,
0.3290

Harmonies

Analogous

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



36.2028, 0.4839, 0.3306



36.2028, 0.4936, 0.3961



36.2028, 0.4491, 0.4603

Triad

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



36.2028, 0.4936, 0.3961



36.2028, 0.2098, 0.3914



36.2028, 0.2342, 0.1960

Complementary

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



36.2028, 0.4936, 0.3961



36.1724, 0.2084, 0.2340

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.



36.2028, 0.1801, 0.1946



36.2028, 0.4936, 0.3961



36.2028, 0.1664, 0.2901

Square

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



36.2028, 0.4936, 0.3961



36.2028, 0.2849, 0.4815



36.2028, 0.1576, 0.2234



36.2028, 0.3188, 0.2228

Rectangle

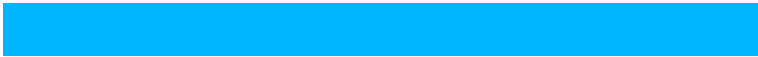
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.2028, 0.4936, 0.3961



36.2028, 0.4001, 0.4928



36.2028, 0.1576, 0.2234



36.2028, 0.2126, 0.1925

Sweetspot

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



36.2047, 0.4936, 0.3961



78.1993, 0.3508, 0.3508



25.3292, 0.3999, 0.2258



16.1914, 0.3567, 0.3539



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.



36.2047, 0.4936, 0.3961



35.6466, 0.5392, 0.3948



68.8406, 0.4214, 0.4722



16.7960, 0.3283, 0.3385



14.9600, 0.5696, 0.3859



1.4340, 0.5456, 0.4050

Inverse Universe

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



36.1724, 0.2084, 0.2340



35.3435, 0.1947, 0.2108



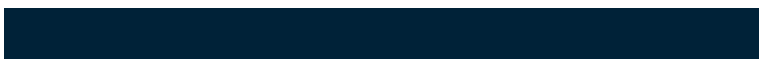
14.3590, 0.1802, 0.1215



16.8068, 0.2980, 0.3193



14.6371, 0.1868, 0.1925



1.4118, 0.1923, 0.2123

Previews

White Background



This preview shows how the Yxy color 36.2028, 0.4936, 0.3961 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 Yxy color 36.2028, 0.4936, 0.3961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

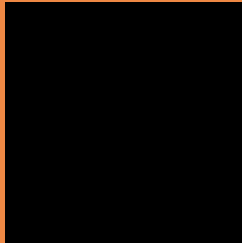
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.2028, 0.4936, 0.3961

Background



This preview shows how black text looks on a background with the Yxy color 36.2028, 0.4936, 0.3961.



This preview shows how white text looks on a background with the Yxy color 36.2028, 0.4936, 0.3961.

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

36.2028, 0.4936, 0.3961

Protanopia

36.4195, 0.4064, 0.4454

Deuteranopia

36.4981, 0.4459, 0.4369



Tritanopia

36.1506, 0.4310, 0.3185

Trichromacy



Original Color

36.2028, 0.4936, 0.3961

Protanomaly

35.6810, 0.4387, 0.4267

Deuteranomaly

36.1604, 0.4640, 0.4209

Tritanomaly

36.1256, 0.4573, 0.3487

Monochromacy



Original Color

36.2028, 0.4936, 0.3961

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.3309, 0.3768, 0.3637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2028, 0.4936, 0.3961 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(238, 136, 68)` looks like.

```
.text, #text, p{  
    color:rgb(238, 136, 68)  
}
```

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(238, 136, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 136, 68) }
```

Border

The CSS property to change the border of an element to Yxy 36.2028, 0.4936, 0.3961 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(238, 136, 68) }
```

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

```
.border{ border-color:rgb(238, 136, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 136, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 136, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 136, 68);  
box-shadow:4px 4px 4px 4px rgb(238, 136,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2028, 0.4936, 0.3961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 136, 68) }
```

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

```
.background{ background-color: rgb(238,  
136, 68) }
```

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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