

Converting Colors

$Y_{xy}(21.8160, 0.5722, 0.3683)$

Have a look what the booklet for
Yxy(21.8160, 0.5722, 0.3683)
contains.

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Color

Yxy(21.8160, 0.5722, 0.3683)

Conversions

Conversions Part 1

Format	Color
Hex	E0511C
RGB	224, 81, 28
RGB Percent	88%, 32%, 11%
CMY	0.1216, 0.6823, 0.8901
CMYK	0.00, 0.64, 0.87, 0.12
HSL	16°, 78%, 49%
HSV	16°, 87%, 88%
XYZ	33.8939, 21.8160, 3.5244
YIQ	117.7150, 102.2410, 13.8330

Conversions

Conversions Part 2

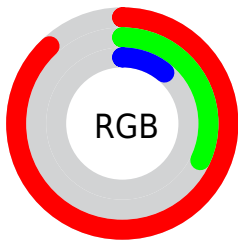
Format	Color
R _{YB}	224, 101, 28
Decimal	14700828
CIE Lab	53.83, 53.57, 56.66
CIE LCh	54, 77.974, 46.606
Yxy	21.8160, 0.5722, 0.3683
Android (android.graphics.Color)	4292890908 (0xFFE0511C)
YUV	117.7150, -44.2295, 93.2119
Hunter-Lab	46.7076, 47.7922, 28.2214

Details

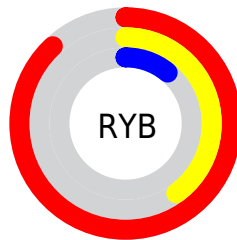
The Yxy color **21.8160, 0.5722, 0.3683** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **34.7642, 0.2051, 0.2501**, and the grayscale version is **18.1414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4328, 0.4987, 0.3822**, and **7.9393, 0.6288, 0.3389** is the 20% darker color. If you saturate the color by 10%, you get **19.6018, 0.5993, 0.3599**, and if you desaturate by 10%, it is **24.6958, 0.5376, 0.3726**.

Distribution



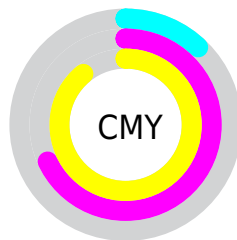
- Red (88%)
- Green (32%)
- Blue (11%)



- Red (88%)
- Yellow (40%)
- Blue (11%)



- Cyan (0%)
- Magenta (64%)
- Yellow (87%)
- Black (12%)





- Cyan (12%)
- Magenta (68%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8160, 0.5722, 0.3683 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 21.8160, 0.5722, 0.3683 by changing the saturation by 10% instead.


 21.8160, 0.5722,
0.3683


 21.8160, 0.5722,
0.3683


261.5839, 0.4349,
0.3655


 13.7218, 0.6036,
0.3605


 46.4417, 0.5232,
0.3732


 7.9274, 0.6462,
0.3486


 63.7419, 0.5043,
0.3731


 4.0485, 0.6822,
0.3178

 84.8797, 0.4881,
0.3723

 1.7007, 0.7299,
0.2701

 110.2392, 0.4743,
0.3712

 0.4241, 0.8282,
0.1718

 140.2050, 0.4624,
0.3698

 0.0000, 1.0000,
0.0000


 175.1615, 0.4520,


 0.0000, 0.0000,


0.3684


0.0000


 215.4930, 0.4430,
0.3669

 21.8160, 0.5722,
0.3683


 21.8160, 0.5722,
0.3683

 19.6018, 0.5993,
0.3599


 24.6958, 0.5376,
0.3726


 19.1382, 0.6052,
0.3576

 28.2922, 0.4993,
0.3725

 32.6536, 0.4611,
0.3690


 37.8230, 0.4257,
0.3632

 43.8399, 0.3942,
0.3562

 50.7410, 0.3672,
0.3486

 58.5609, 0.3443,
0.3412

 67.3322, 0.3250,
0.3340

 77.0859, 0.3089,
0.3274

Harmonies

Analogous

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



21.8160, 0.5377, 0.2909



21.8160, 0.5722, 0.3683



21.8160, 0.5176, 0.4572

Triad

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



21.8160, 0.5722, 0.3683



21.8160, 0.1925, 0.4839



21.8160, 0.1729, 0.1468

Complementary

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



21.8160, 0.5722, 0.3683



34.7642, 0.2051, 0.2501

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.



21.8160, 0.1214, 0.1537



21.8160, 0.5722, 0.3683



21.8160, 0.1256, 0.3109

Square

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



21.8160, 0.5722, 0.3683



21.8160, 0.3000, 0.5901



21.8160, 0.1058, 0.2004



21.8160, 0.2712, 0.1701

Rectangle

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



21.8160, 0.5722, 0.3683



21.8160, 0.4527, 0.5215



21.8160, 0.1058, 0.2004



21.8160, 0.1511, 0.1456

Sweetspot

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



21.8173, 0.5722, 0.3683



69.3643, 0.3640, 0.3477



19.6483, 0.3901, 0.1987



14.1141, 0.3727, 0.3503



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.



21.8173, 0.5722, 0.3683



25.5082, 0.6064, 0.3567



47.8824, 0.4570, 0.4663



14.3003, 0.3285, 0.3354



11.3028, 0.6026, 0.3597



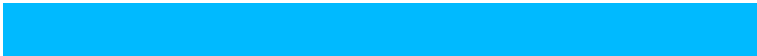
0.9297, 0.5721, 0.3839

Inverse Universe

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



34.7642, 0.2051, 0.2501



42.3653, 0.1991, 0.2368



10.4938, 0.1661, 0.1065



14.9128, 0.2982, 0.3225



18.6716, 0.1998, 0.2391



1.4400, 0.2041, 0.2546

Previews

White Background



This preview shows how the Yxy color 21.8160, 0.5722, 0.3683 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 21.8160, 0.5722, 0.3683 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 21.8160, 0.5722, 0.3683

Background



This preview shows how black text looks on a background with the Yxy color 21.8160, 0.5722, 0.3683.



This preview shows how white text looks on a background with the Yxy color 21.8160, 0.5722, 0.3683.

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

21.8160, 0.5722, 0.3683

Protanopia

21.8735, 0.4239, 0.4658

Deuteranopia

21.9524, 0.4700, 0.4650



Tritanopia

21.9168, 0.5262, 0.3258

Trichromacy



Original Color

21.8160, 0.5722, 0.3683

Protanomaly

20.7144, 0.4839, 0.4253

Deuteranomaly

21.0613, 0.5136, 0.4255

Tritanomaly

21.7933, 0.5477, 0.3448

Monochromacy



Original Color

21.8160, 0.5722, 0.3683

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.9271, 0.4161, 0.3622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8160, 0.5722, 0.3683 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(224, 81, 28)` looks like.

```
.text, #text, p{  
    color:rgb(224, 81, 28)  
}
```

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(224, 81, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 81, 28) }
```

Border

The CSS property to change the border of an element to Yxy 21.8160, 0.5722, 0.3683 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(224, 81, 28) }
```

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

```
.border{ border-color:rgb(224, 81, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 81, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 81, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 81, 28);  
box-shadow:4px 4px 4px 4px rgb(224, 81,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8160, 0.5722, 0.3683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 81, 28) }
```

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

```
.background{ background-color: rgb(224, 81,  
28) }
```

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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