

Converting Colors

$Yxy(20.5370, 0.5516, 0.3300)$

Have a look what the booklet for
Yxy(20.5370, 0.5516, 0.3300)
contains.

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Color

Yxy(20.5764, 0.5519, 0.3306)

Conversions

Conversions Part 1

Format	Color
Hex	E24342
RGB	226, 67, 66
RGB Percent	89%, 26%, 26%
CMY	0.1138, 0.7371, 0.7412
CMYK	0.00, 0.70, 0.71, 0.11
HSL	0°, 73%, 57%
HSV	0°, 71%, 89%
XYZ	34.3500, 20.5764, 7.3131
YIQ	114.4270, 95.0850, 33.3970

Conversions

Conversions Part 2

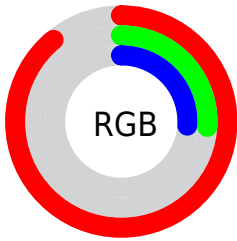
Format	Color
R_{YB}	226, 67, 66
Decimal	14828354
CIE _{Lab}	52.48, 60.97, 36.78
CIE _{LCh}	52, 71.199, 31.099
Yxy	20.5764, 0.5519, 0.3306
Android (android.graphics.Color)	4293018434 (0xFFE24342)
YUV	114.4270, -23.8745, 97.8495
Hunter-Lab	45.3612, 55.7879, 22.1941

Details

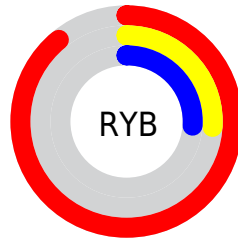
The Yxy color **20.5764, 0.5519, 0.3306** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **60.4605, 0.2322, 0.3274**, and the grayscale version is **17.0183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1421, 0.4730, 0.3404**, and **7.8445, 0.6208, 0.3194** is the 20% darker color. If you saturate the color by 10%, you get **18.1884, 0.5948, 0.3306**, and if you desaturate by 10%, it is **24.1060, 0.5039, 0.3305**.

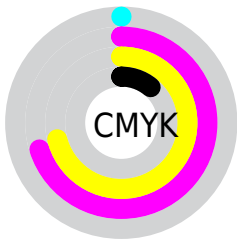
Distribution



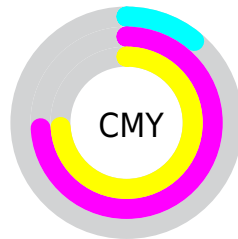
- Red (89%)
- Green (26%)
- Blue (26%)



- Red (89%)
- Yellow (26%)
- Blue (26%)



- Cyan (0%)
- Magenta (70%)
- Yellow (71%)
- Black (11%)




- Cyan (11%)
- Magenta (74%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5764, 0.5519, 0.3306 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 20.5764, 0.5519, 0.3306 by changing the saturation by 10% instead.


 20.5764, 0.5519,
0.3306


 20.5764, 0.5519,
0.3306


255.0186, 0.4186,
0.3408


 12.8147, 0.5873,
0.3226


 44.3815, 0.5012,
0.3380

 7.3011, 0.6323,
0.3087


 61.1937, 0.4827,
0.3395


 3.6511, 0.7008,
0.2883

 81.7915, 0.4674,
0.3404

 1.4804, 0.7611,
0.2389

 106.5593, 0.4545,
0.3409

 0.2749, 0.8850,
0.1150

 135.8815, 0.4435,
0.3411

 0.0000, 1.0000,
0.0000


 170.1426, 0.4340,

 0.0000, 0.0000,


0.3411


0.0000

209.7268, 0.4258,
0.3410


 20.5764, 0.5519,
0.3306


 20.5764, 0.5519,
0.3306


 18.1884, 0.5948,
0.3306

 24.1060, 0.5039,
0.3305


 16.7982, 0.6250,
0.3304

 28.8917, 0.4576,
0.3303

 16.1980, 0.6397,
0.3303


 35.0379, 0.4166,
0.3300


 42.6372, 0.3822,
0.3297

 51.7741, 0.3543,
0.3295

 62.5267, 0.3319,
0.3292

 74.9676, 0.3140,
0.3290

 89.1651, 0.2997,
0.3288

 94.9057, 0.2952,
0.3289

Harmonies

Analogous

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



20.5764, 0.4697, 0.2585



20.5764, 0.5519, 0.3306



20.5764, 0.5428, 0.4102

Triad

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



20.5764, 0.5519, 0.3306



20.5764, 0.2517, 0.5394



20.5764, 0.1495, 0.1551

Complementary

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



20.5764, 0.5519, 0.3306



60.4605, 0.2322, 0.3274

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.



20.5764, 0.1183, 0.1805



20.5764, 0.5519, 0.3306



20.5764, 0.1634, 0.3933

Square

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



20.5764, 0.5519, 0.3306



20.5764, 0.3621, 0.5679



20.5764, 0.1208, 0.2544



20.5764, 0.2199, 0.1627

Rectangle

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



20.5764, 0.5519, 0.3306



20.5764, 0.4974, 0.4689



20.5764, 0.1208, 0.2544



20.5764, 0.1352, 0.1594

Sweetspot

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



20.5776, 0.5519, 0.3306



67.6464, 0.3551, 0.3295



25.5505, 0.3200, 0.1738



13.7237, 0.3623, 0.3296



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.



20.5776, 0.5519, 0.3306



22.8972, 0.6112, 0.3305



37.1116, 0.4746, 0.4133



13.7149, 0.3292, 0.3292



9.2494, 0.6396, 0.3304



0.6463, 0.6381, 0.3316

Inverse Universe

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



60.4605, 0.2322, 0.3274



78.2517, 0.2264, 0.3270



27.2004, 0.2031, 0.2104



15.5561, 0.2982, 0.3288



33.7125, 0.2241, 0.3268



2.3418, 0.2242, 0.3271

Previews

White Background



This preview shows how the Yxy color 20.5764, 0.5519, 0.3306 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 20.5764, 0.5519, 0.3306 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 20.5764, 0.5519, 0.3306

Background



This preview shows how black text looks on a background with the Yxy color 20.5764, 0.5519, 0.3306.



This preview shows how white text looks on a background with the Yxy color 20.5764, 0.5519, 0.3306.

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

20.5764, 0.5519, 0.3306

Protanopia

20.8441, 0.3704, 0.3993

Deuteranopia

20.7963, 0.4343, 0.4268



Tritanopia

20.5074, 0.5475, 0.3262

Trichromacy



Original Color

20.5764, 0.5519, 0.3306

Protanomaly

19.1027, 0.4406, 0.3687

Deuteranomaly

19.4574, 0.4835, 0.3836

Tritanomaly

20.4949, 0.5488, 0.3271

Monochromacy



Original Color

20.5764, 0.5519, 0.3306

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.3810, 0.4010, 0.3293

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5764, 0.5519, 0.3306 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(226, 67, 66)` looks like.

```
.text, #text, p{  
  color:rgb(226, 67, 66)  
}
```

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(226, 67, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 67, 66) }
```

Border

The CSS property to change the border of an element to Yxy 20.5764, 0.5519, 0.3306 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(226, 67, 66) }
```

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

```
.border{ border-color:rgb(226, 67, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 67, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 67, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 67, 66);  
box-shadow:4px 4px 4px 4px rgb(226, 67,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5764, 0.5519, 0.3306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 67, 66) }
```

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

```
.background{ background-color: rgb(226, 67,  
66) }
```

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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