

Converting Colors

$Y_{xy}(20.1108, 0.5556, 0.2834)$

Have a look what the booklet for
Yxy(20.1108, 0.5556, 0.2834)
contains.

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Color

Yxy(20.1507, 0.5553, 0.2833)

Conversions

Conversions Part 1

Format	Color
Hex	F5005A
RGB	245, 0, 90
RGB Percent	96%, 0%, 35%
CMY	0.0393, 0.9992, 0.6471
CMYK	0.00, 1.00, 0.63, 0.04
HSL	338°, 100%, 48%
HSV	338°, 100%, 96%
XYZ	39.4976, 20.1507, 11.4801
YIQ	83.5150, 117.1300, 79.9300

Conversions

Conversions Part 2

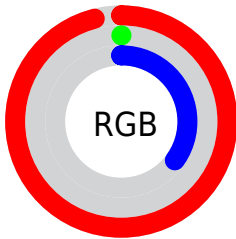
Format	Color
R_{YB}	245, 0, 90
Decimal	16056410
CIE _{Lab}	52.01, 79.98, 22.77
CIE _{LCh}	52, 83.163, 15.890
Yxy	20.1507, 0.5553, 0.2833
Android (android.graphics.Color)	4294246490 (0xFFFF5005A)
YUV	83.5150, 3.1971, 141.6223
Hunter-Lab	44.8895, 78.5029, 16.2597

Details

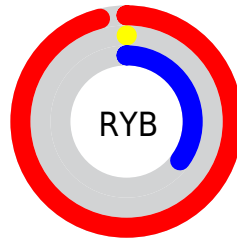
The Yxy color **20.1507, 0.5553, 0.2833** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated red. A complement of this color would be **67.6690, 0.2600, 0.4561**, and the grayscale version is **8.7593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5192, 0.4563, 0.2867**, and **9.8928, 0.5926, 0.3038** is the 20% darker color. If you saturate the color by 10%, you get **20.1457, 0.5555, 0.2834**, and if you desaturate by 10%, it is **21.1222, 0.5260, 0.2738**.

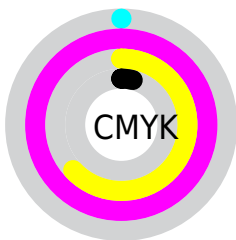
Distribution



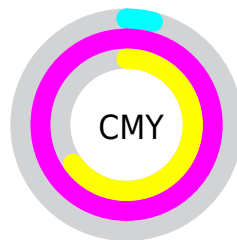
- Red (96%)
- Green (0%)
- Blue (35%)



- Red (96%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1507, 0.5553, 0.2833 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 20.1507, 0.5553, 0.2833 by changing the saturation by 10% instead.


 20.1507, 0.5553,
0.2833


 20.1507, 0.5553,
0.2833

252.7298, 0.4191,
0.3160

 12.5046, 0.5927,
0.2712


 43.6697, 0.5028,
0.2980


 7.0883, 0.6417,
0.2533


 60.3114, 0.4839,
0.3026

 3.5174, 0.7063,
0.2255

 80.7205, 0.4683,
0.3062

 1.4075, 0.8137,
0.1863

 105.2813, 0.4552,
0.3091

 0.2222, 0.9305,
0.0695

 134.3782, 0.4442,
0.3113

 0.0000, 1.0000,
0.0000

 168.3957, 0.4346,

 0.0000, 0.0000,

0.3132

0.0000

207.7181, 0.4264,
0.3147

■ 20.1507, 0.5553,
0.2833

■ 20.1507, 0.5553,
0.2833

■ 20.1457, 0.5555,
0.2834

■ 21.1222, 0.5260,
0.2738

■ 23.0031, 0.4935,
0.2690

■ 26.0583, 0.4604,
0.2692

■ 30.4482, 0.4289,
0.2737

■ 36.3078, 0.4005,
0.2812

■ 43.7555, 0.3760,
0.2903

■ 52.8972, 0.3553,
0.3002

■ 63.8299, 0.3382,
0.3102

■ 76.6431, 0.3241,
0.3199

Harmonies

Analogous

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



20.1507, 0.4168, 0.2115



20.1507, 0.5553, 0.2833



20.1507, 0.5912, 0.3622

Triad

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



20.1507, 0.5553, 0.2833



20.1507, 0.2960, 0.6168



20.1507, 0.1095, 0.1428

Complementary

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



20.1507, 0.5553, 0.2833



67.6690, 0.2600, 0.4561

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.



20.1507, 0.0939, 0.1910



20.1507, 0.5553, 0.2833



20.1507, 0.1830, 0.5055

Square

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



20.1507, 0.5553, 0.2833



20.1507, 0.4191, 0.5620



20.1507, 0.1135, 0.3106



20.1507, 0.1614, 0.1356

Rectangle

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



20.1507, 0.5553, 0.2833



20.1507, 0.5576, 0.4222



20.1507, 0.1135, 0.3106



20.1507, 0.1007, 0.1533

Sweetspot

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



20.1520, 0.5553, 0.2833



57.7839, 0.3556, 0.3001



13.1892, 0.2254, 0.1016



11.4151, 0.3639, 0.2959



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.



20.1520, 0.5553, 0.2833



22.0601, 0.5560, 0.2837



20.2766, 0.6319, 0.3364



16.5830, 0.3236, 0.3203



10.8788, 0.5513, 0.2810



0.9752, 0.5170, 0.2622

Inverse Universe

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



20.1520, 0.5553, 0.2833



22.0601, 0.5560, 0.2837



55.9227, 0.2142, 0.2912



16.5830, 0.3236, 0.3203



10.8788, 0.5513, 0.2810



0.9752, 0.5170, 0.2622

Previews

White Background



This preview shows how the Yxy color 20.1507, 0.5553, 0.2833 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 20.1507, 0.5553, 0.2833 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 20.1507, 0.5553, 0.2833

Background



This preview shows how black text looks on a background with the Yxy color 20.1507, 0.5553, 0.2833.



This preview shows how white text looks on a background with the Yxy color 20.1507, 0.5553, 0.2833.

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

20.1507, 0.5553, 0.2833

Protanopia

20.7688, 0.3062, 0.3164

Deuteranopia

20.5768, 0.4038, 0.3977



Tritanopia

20.4262, 0.6139, 0.3312

Trichromacy



Original Color

20.1507, 0.5553, 0.2833



Protanomaly

15.4567, 0.3970, 0.2734



Deuteranomaly

16.1077, 0.4804, 0.3204



Tritanomaly

20.1122, 0.6005, 0.3155

Monochromacy



Original Color

20.1507, 0.5553, 0.2833



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

9.1499, 0.4303, 0.2748

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1507, 0.5553, 0.2833 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(245, 0, 90)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 90)  
}
```

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(245, 0, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 90) }
```

Border

The CSS property to change the border of an element to Yxy 20.1507, 0.5553, 0.2833 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(245, 0, 90) }
```

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

```
.border{ border-color:rgb(245, 0, 90) }
```

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

Here you see how a box with a 4 pixel rgb(245, 0, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 90);  
box-shadow:4px 4px 4px 4px rgb(245, 0, 90)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.1507, 0.5553, 0.2833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 90) }
```

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

```
.background{ background-color: rgb(245, 0,  
90) }
```

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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