

Converting Colors

$Y_{xy}(20.1604, 0.5991, 0.3298)$

Have a look what the booklet for
Yxy(20.1604, 0.5991, 0.3298)
contains.

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Color

Yxy(20.1604, 0.5991, 0.3298)

Conversions

Conversions Part 1

Format	Color
Hex	EE2C2C
RGB	238, 44, 44
RGB Percent	93%, 17%, 17%
CMY	0.0666, 0.8276, 0.8274
CMYK	0.00, 0.82, 0.82, 0.07
HSL	360°, 85%, 55%
HSV	360°, 82%, 93%
XYZ	36.6225, 20.1604, 4.3463
YIQ	102.0060, 115.6240, 41.1280

Conversions

Conversions Part 2

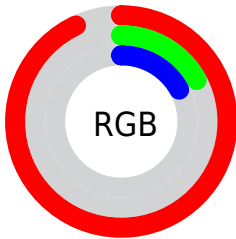
Format	Color
RYB	238, 44, 44
Decimal	15608876
CIELab	52.02, 70.66, 48.92
CIELCh	52, 85.938, 34.698
Yxy	20.1604, 0.5991, 0.3298
Android (android.graphics.Color)	4293798956 (0xFFEE2C2C)
YUV	102.0060, -28.5970, 119.2667
Hunter-Lab	44.9003, 67.0161, 25.6911

Details

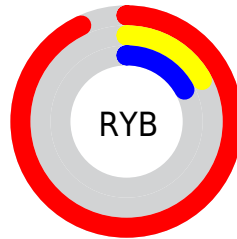
The Yxy color **20.1604, 0.5991, 0.3298** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **67.8696, 0.2279, 0.3288**, and the grayscale version is **13.3371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9700, 0.5091, 0.3451**, and **8.8842, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.7387, 0.6276, 0.3299**, and if you desaturate by 10%, it is **22.7016, 0.5571, 0.3297**.

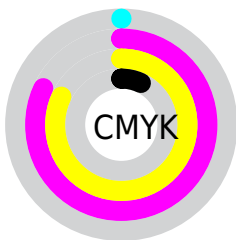
Distribution



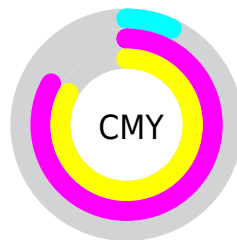
- Red (93%)
- Green (17%)
- Blue (17%)



- Red (93%)
- Yellow (17%)
- Blue (17%)



- Cyan (0%)
- Magenta (82%)
- Yellow (82%)
- Black (7%)





- Cyan (7%)
- Magenta (83%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1604, 0.5991, 0.3298 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 20.1604, 0.5991, 0.3298 by changing the saturation by 10% instead.


 20.1604, 0.5991,
0.3298


 20.1604, 0.5991,
0.3298


252.7821, 0.4439,
0.3473

 12.5117, 0.6365,
0.3174


 43.6859, 0.5423,
0.3418


 7.0932, 0.6836,
0.2980


 60.3316, 0.5208,
0.3446


 3.5204, 0.7359,
0.2641

 80.7450, 0.5027,
0.3462

 1.4091, 0.7910,
0.2090

 105.3105, 0.4873,
0.3471

 0.2234, 0.9174,
0.0826

 134.4126, 0.4741,
0.3475

 0.0000, 1.0000,
0.0000

 168.4356, 0.4626,

 0.0000, 0.0000,

0.3476

0.0000

207.7640, 0.4526,
0.3475

■ 20.1604, 0.5991,
0.3298

■ 20.1604, 0.5991,
0.3298

■ 18.7387, 0.6276,
0.3299

■ 22.7016, 0.5571,
0.3297


■ 18.1820, 0.6400,
0.3300

■ 26.5256, 0.5090,
0.3295

■ 31.7728, 0.4619,
0.3294


■ 38.5642, 0.4201,
0.3293

■ 47.0082, 0.3849,
0.3292

 57.2031, 0.3563,
0.3291

 69.2397, 0.3334,
0.3291

 83.2027, 0.3152,
0.3290

 96.9218, 0.3024,
0.3290

Harmonies

Analogous

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



20.1604, 0.5185, 0.2529



20.1604, 0.5991, 0.3298



20.1604, 0.5653, 0.4174

Triad

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



20.1604, 0.5991, 0.3298



20.1604, 0.2181, 0.5780



20.1604, 0.1332, 0.1305

Complementary

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



20.1604, 0.5991, 0.3298



67.8696, 0.2279, 0.3288

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.



20.1604, 0.0958, 0.1506



20.1604, 0.5991, 0.3298



20.1604, 0.1280, 0.3796

Square

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



20.1604, 0.5991, 0.3298



20.1604, 0.3397, 0.6180



20.1604, 0.0921, 0.2215



20.1604, 0.2160, 0.1430

Rectangle

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



20.1604, 0.5991, 0.3298



20.1604, 0.5038, 0.4892



20.1604, 0.0921, 0.2215



20.1604, 0.1166, 0.1332

Sweetspot

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



20.1617, 0.5991, 0.3298



63.6417, 0.3631, 0.3291



25.5993, 0.3172, 0.1607



12.6991, 0.3731, 0.3292



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.



20.1617, 0.5991, 0.3298



21.3821, 0.6377, 0.3299



36.4700, 0.5071, 0.4130



15.7590, 0.3293, 0.3290



10.1412, 0.6400, 0.3299



0.8437, 0.6399, 0.3299

Inverse Universe

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



20.1617, 0.5991, 0.3298



21.3821, 0.6377, 0.3299



26.7236, 0.1921, 0.1938



15.7590, 0.3293, 0.3290



10.1412, 0.6400, 0.3299



0.8437, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 20.1604, 0.5991, 0.3298 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 20.1604, 0.5991, 0.3298 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 20.1604, 0.5991, 0.3298

Background



This preview shows how black text looks on a background with the Yxy color 20.1604, 0.5991, 0.3298.



This preview shows how white text looks on a background with the Yxy color 20.1604, 0.5991, 0.3298.

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

20.1604, 0.5991, 0.3298

Protanopia

20.3673, 0.3965, 0.4341

Deuteranopia

20.1952, 0.4621, 0.4539



Tritanopia

20.1529, 0.6000, 0.3304

Trichromacy



Original Color

20.1604, 0.5991, 0.3298

Protanomaly

17.6598, 0.4850, 0.3828

Deuteranomaly

18.0256, 0.5290, 0.3932

Tritanomaly

20.1529, 0.6000, 0.3304

Monochromacy



Original Color

20.1604, 0.5991, 0.3298

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.0582, 0.4336, 0.3294

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1604, 0.5991, 0.3298 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, 44, 44)` looks like.

```
.text, #text, p{  
    color:rgb(238, 44, 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(238, 44, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 44, 44) }
```

Border

The CSS property to change the border of an element to Yxy 20.1604, 0.5991, 0.3298 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, 44, 44) }
```

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

```
.border{ border-color:rgb(238, 44, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 44, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 44, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 44, 44);  
box-shadow:4px 4px 4px 4px rgb(238, 44,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1604, 0.5991, 0.3298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 44, 44) }
```

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

```
.background{ background-color: rgb(238, 44,  
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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