

Converting Colors

$Y_{xy}(21.7441, 0.6294, 0.3290)$

Have a look what the booklet for
Yxy(21.7441, 0.6294, 0.3290)
contains.

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Color

Yxy(21.7505, 0.6292, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	FF1216
RGB	255, 18, 22
RGB Percent	100%, 7%, 9%
CMY	0.0001, 0.9289, 0.9138
CMYK	0.00, 0.93, 0.91, 0.00
HSL	359°, 100%, 54%
HSV	359°, 93%, 100%
XYZ	41.5970, 21.7505, 2.7634
YIQ	89.3190, 139.9680, 51.4880

Conversions

Conversions Part 2

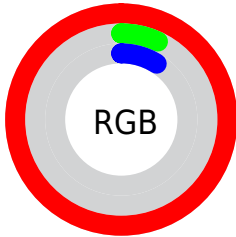
Format	Color
R_{YB}	255, 18, 22
Decimal	16716310
CIE Lab	53.76, 78.92, 61.50
CIE LCh	54, 100.056, 37.929
Yxy	21.7505, 0.6292, 0.3290
Android (android.graphics.Color)	4294906390 (0xFFFF1216)
YUV	89.3190, -33.1883, 145.3022
Hunter-Lab	46.6374, 77.5928, 29.1331

Details

The Yxy color **21.7505, 0.6292, 0.3290** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **78.6145, 0.2266, 0.3334**, and the grayscale version is **10.1326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0352, 0.5364, 0.3537**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.2662, 0.6389, 0.3293**, and if you desaturate by 10%, it is **23.2369, 0.6021, 0.3282**.

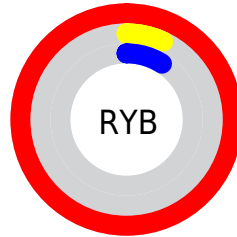
Distribution



Red (100%)

Green (7%)

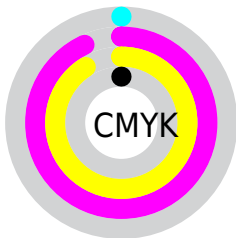
Blue (9%)



Red (100%)

Yellow (7%)

Blue (9%)

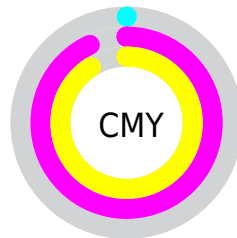


Cyan (0%)

Magenta (93%)

Yellow (91%)

Black (0%)



Cyan (0%)


Magenta (93%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7505, 0.6292, 0.3290 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 21.7505, 0.6292, 0.3290 by changing the saturation by 10% instead.


 21.7505, 0.6292,
0.3290


 21.7505, 0.6292,
0.3290


261.2405, 0.4657,
0.3538


 13.6737, 0.6642,
0.3134


 46.3333, 0.5726,
0.3452

 7.8941, 0.7087,
0.2913


 63.6080, 0.5501,
0.3491


 4.0272, 0.7475,
0.2525

 84.7176, 0.5308,
0.3515

 1.6888, 0.8002,
0.1998

 110.0463, 0.5140,
0.3529

 0.4164, 0.8897,
0.1103

 139.9785, 0.4995,
0.3537


 0.0000, 1.0000,
0.0000


 174.8987, 0.4868,


 0.0000, 0.0000,

0.3540


0.0000


 215.1913, 0.4756,
0.3540

 21.7505, 0.6292,
0.3290


 21.7505, 0.6292,
0.3290

 21.2662, 0.6389,
0.3293


 23.2369, 0.6021,
0.3282

 25.9991, 0.5612,
0.3276


 30.2421, 0.5136,
0.3273


 36.1336, 0.4664,
0.3273

 43.8187, 0.4241,
0.3275

 53.4270, 0.3885,
0.3278

 65.0757, 0.3593,
0.3282

 78.8730, 0.3360,
0.3285

 94.9193, 0.3174,
0.3289

Harmonies

Analogous

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



21.7505, 0.5600, 0.2507



21.7505, 0.6292, 0.3290



21.7505, 0.5751, 0.4249

Triad

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



21.7505, 0.6292, 0.3290



21.7505, 0.1885, 0.5995



21.7505, 0.1251, 0.1150

Complementary

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



21.7505, 0.6292, 0.3290



78.6145, 0.2266, 0.3334

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.



21.7505, 0.0829, 0.1301



21.7505, 0.6292, 0.3290



21.7505, 0.1025, 0.3578

Square

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



21.7505, 0.6292, 0.3290



21.7505, 0.3142, 0.6567



21.7505, 0.0742, 0.1945



21.7505, 0.2184, 0.1315

Rectangle

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



21.7505, 0.6292, 0.3290



21.7505, 0.4963, 0.5037



21.7505, 0.0742, 0.1945



21.7505, 0.1065, 0.1162

Sweetspot

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



21.7519, 0.6292, 0.3290



58.8676, 0.3734, 0.3280



28.1721, 0.3169, 0.1538



11.5680, 0.3866, 0.3278



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.



21.7519, 0.6292, 0.3290



21.2691, 0.6389, 0.3293



37.9701, 0.5345, 0.4086



17.9918, 0.3292, 0.3287



11.1156, 0.6384, 0.3291



1.0839, 0.6345, 0.3269

Inverse Universe

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



21.7519, 0.6292, 0.3290



21.2691, 0.6389, 0.3293



26.2535, 0.1823, 0.1725



17.9918, 0.3292, 0.3287



11.1156, 0.6384, 0.3291



1.0839, 0.6345, 0.3269

Previews

White Background



This preview shows how the Yxy color 21.7505, 0.6292, 0.3290 looks on a white background.

Color Contrast Check

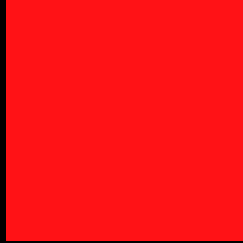
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7505, 0.6292, 0.3290 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 21.7505, 0.6292, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 21.7505, 0.6292, 0.3290.



This preview shows how white text looks on a background with the Yxy color 21.7505, 0.6292, 0.3290.

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

21.7505, 0.6292, 0.3290

Protanopia

22.1669, 0.4201, 0.4629

Deuteranopia

21.9524, 0.4700, 0.4650



Tritanopia

21.6836, 0.6347, 0.3342

Trichromacy



Original Color

21.7505, 0.6292, 0.3290

Protanomaly

17.5864, 0.5277, 0.3883

Deuteranomaly

18.2503, 0.5581, 0.3909

Tritanomaly

21.6247, 0.6332, 0.3325

Monochromacy



Original Color

21.7505, 0.6292, 0.3290

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.3262, 0.4779, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7505, 0.6292, 0.3290 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(255, 18, 22)` looks like.

```
.text, #text, p{  
  color:rgb(255, 18, 22)  
}
```

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(255, 18, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 18, 22) }
```

Border

The CSS property to change the border of an element to Yxy 21.7505, 0.6292, 0.3290 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(255, 18, 22) }
```

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

```
.border{ border-color:rgb(255, 18, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 18, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 18, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 18, 22);  
box-shadow:4px 4px 4px 4px rgb(255, 18,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7505, 0.6292, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 18, 22) }
```

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

```
.background{ background-color: rgb(255, 18,  
22) }
```

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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