

Converting Colors

$Y_{xy}(21.6553, 0.6324, 0.3299)$

Have a look what the booklet for
Yxy(21.6553, 0.6324, 0.3299)
contains.

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Color

Yxy(21.6680, 0.6322, 0.3299)

Conversions

Conversions Part 1

Format	Color
Hex	FF1010
RGB	255, 16, 16
RGB Percent	100%, 6%, 6%
CMY	0.0000, 0.9374, 0.9367
CMYK	0.00, 0.94, 0.94, 0.00
HSL	360°, 100%, 53%
HSV	360°, 94%, 100%
XYZ	41.5232, 21.6680, 2.4893
YIQ	87.4610, 142.4440, 50.6680

Conversions

Conversions Part 2

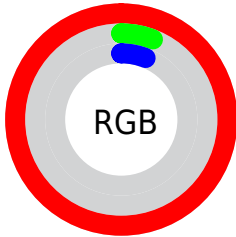
Format	Color
R_{YB}	255, 16, 16
Decimal	16715792
CIE Lab	53.67, 79.08, 63.36
CIE LCh	54, 101.331, 38.704
Yxy	21.6680, 0.6322, 0.3299
Android (android.graphics.Color)	4294905872 (0xFFFF1010)
YUV	87.4610, -35.2303, 146.9317
Hunter-Lab	46.5489, 77.7676, 29.4136

Details

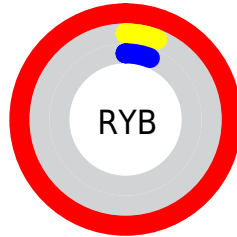
The Yxy color **21.6680, 0.6322, 0.3299** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **78.8382, 0.2253, 0.3290**, and the grayscale version is **9.6873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7917, 0.5410, 0.3557**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.2604, 0.6400, 0.3299**, and if you desaturate by 10%, it is **23.0420, 0.6077, 0.3298**.

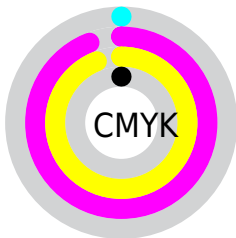
Distribution



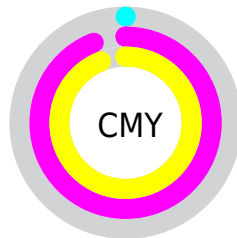
- Red (100%)
- Green (6%)
- Blue (6%)



- Red (100%)
- Yellow (6%)
- Blue (6%)



- Cyan (0%)
- Magenta (94%)
- Yellow (94%)
- Black (0%)




- Cyan (0%)
- Magenta (94%)
- Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6680, 0.6322, 0.3299 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 21.6680, 0.6322, 0.3299 by changing the saturation by 10% instead.


 21.6680, 0.6322,
0.3299


 21.6680, 0.6322,
0.3299


260.8076, 0.4681,
0.3554


 13.6132, 0.6668,
0.3139


 46.1967, 0.5758,
0.3466


 7.8521, 0.7093,
0.2907


 63.4393, 0.5533,
0.3507


 4.0005, 0.7483,
0.2517

 84.5132, 0.5338,
0.3531

 1.6738, 0.8011,
0.1989

 109.8030, 0.5170,
0.3546

 0.4066, 0.8917,
0.1083

 139.6929, 0.5023,
0.3553


 0.0000, 1.0000,
0.0000


 174.5674, 0.4895,


 0.0000, 0.0000,


0.3556


0.0000

 214.8108, 0.4781,
0.3556

 21.6680, 0.6322,
0.3299


 21.6680, 0.6322,
0.3299

 21.2604, 0.6400,
0.3299

 23.0420, 0.6077,
0.3298


 25.6754, 0.5683,
0.3297

 29.7762, 0.5208,
0.3295

 35.5157, 0.4729,
0.3294

 43.0414, 0.4294,
0.3293

 52.4845, 0.3925,
0.3292

 63.9640, 0.3624,
0.3291

 77.5892, 0.3382,
0.3291

 93.4614, 0.3189,
0.3290

Harmonies

Analogous

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



21.6680, 0.5668, 0.2515



21.6680, 0.6322, 0.3299



21.6680, 0.5735, 0.4265

Triad

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



21.6680, 0.6322, 0.3299



21.6680, 0.1835, 0.5989



21.6680, 0.1252, 0.1134

Complementary

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



21.6680, 0.6322, 0.3299



78.8382, 0.2253, 0.3290

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.



21.6680, 0.0819, 0.1275



21.6680, 0.6322, 0.3299



21.6680, 0.0990, 0.3518

Square

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



21.6680, 0.6322, 0.3299



21.6680, 0.3091, 0.6621



21.6680, 0.0722, 0.1901



21.6680, 0.2206, 0.1307

Rectangle

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



21.6680, 0.6322, 0.3299



21.6680, 0.4930, 0.5070



21.6680, 0.0722, 0.1901



21.6680, 0.1062, 0.1143

Sweetspot

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



21.6671, 0.6322, 0.3299



58.8212, 0.3744, 0.3291



28.1014, 0.3169, 0.1535



11.5574, 0.3878, 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.



21.6671, 0.6322, 0.3299



21.2604, 0.6400, 0.3299



37.6628, 0.5363, 0.4079



17.9873, 0.3294, 0.3290



11.1091, 0.6400, 0.3299



1.0817, 0.6398, 0.3298

Inverse Universe

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



21.6671, 0.6322, 0.3299



21.2604, 0.6400, 0.3299



25.9290, 0.1817, 0.1710



17.9873, 0.3294, 0.3290



11.1091, 0.6400, 0.3299



1.0817, 0.6398, 0.3298

Previews

White Background



This preview shows how the Yxy color 21.6680, 0.6322, 0.3299 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



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 21.6680, 0.6322, 0.3299

Background



This preview shows how black text looks on a background with the Yxy color 21.6680, 0.6322, 0.3299.



This preview shows how white text looks on a background with the Yxy color 21.6680, 0.6322, 0.3299.

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

21.6680, 0.6322, 0.3299

Protanopia

21.8667, 0.4246, 0.4667

Deuteranopia

21.9524, 0.4700, 0.4650



Tritanopia

21.6836, 0.6347, 0.3342

Trichromacy



Original Color

21.6680, 0.6322, 0.3299

Protanomaly

17.3927, 0.5331, 0.3905

Deuteranomaly

18.0896, 0.5602, 0.3903

Tritanomaly

21.5843, 0.6341, 0.3325

Monochromacy



Original Color

21.6680, 0.6322, 0.3299

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.9703, 0.4866, 0.3295

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6680, 0.6322, 0.3299 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, 16, 16)` looks like.

```
.text, #text, p{  
    color:rgb(255, 16, 16)  
}
```

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, 16, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 16, 16) }
```

Border

The CSS property to change the border of an element to Yxy 21.6680, 0.6322, 0.3299 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, 16, 16) }
```

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

```
.border{ border-color:rgb(255, 16, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 16, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 16, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 16, 16);  
box-shadow:4px 4px 4px 4px rgb(255, 16,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6680, 0.6322, 0.3299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 16, 16) }
```

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

```
.background{ background-color: rgb(255, 16,  
16) }
```

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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