

Converting Colors

$Y_{xy}(21.6660, 0.6365, 0.3328)$

Have a look what the booklet for
Yxy(21.6660, 0.6365, 0.3328)
contains.

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Color

Yxy(21.6609, 0.6366, 0.3327)

Conversions

Conversions Part 1

Format	Color
Hex	FF1100
RGB	255, 17, 0
RGB Percent	100%, 7%, 0%
CMY	0.0000, 0.9337, 0.9997
CMYK	0.00, 0.93, 1.00, 0.00
HSL	4°, 100%, 50%
HSV	4°, 100%, 100%
XYZ	41.4467, 21.6609, 1.9988
YIQ	86.2240, 147.3050, 45.1690

Conversions

Conversions Part 2

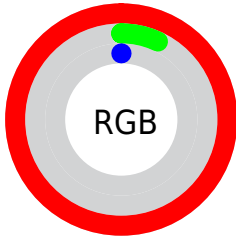
Format	Color
R_{YB}	255, 18, 0
Decimal	16716032
CIE Lab	53.67, 78.88, 67.35
CIE LCh	54, 103.721, 40.494
Yxy	21.6609, 0.6366, 0.3327
Android (android.graphics.Color)	4294906112 (0xFFFF1100)
YUV	86.2240, -42.5084, 148.0166
Hunter-Lab	46.5413, 77.5137, 30.0326

Details

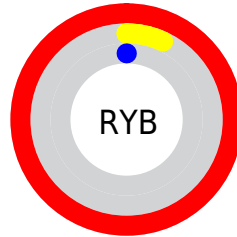
The Yxy color **21.6609, 0.6366, 0.3327** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **68.4681, 0.2189, 0.3079**, and the grayscale version is **9.4150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6901, 0.5488, 0.3616**, and **10.5648, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.6558, 0.6366, 0.3327**, and if you desaturate by 10%, it is **22.8999, 0.6184, 0.3355**.

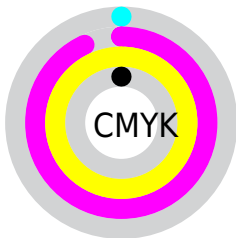
Distribution



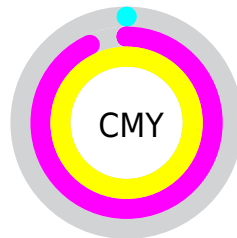
- Red (100%)
- Green (7%)
- Blue (0%)



- Red (100%)
- Yellow (7%)
- Blue (0%)



- Cyan (0%)
- Magenta (93%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (93%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 21.6609, 0.6366, 0.3327 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 21.6609, 0.6366, 0.3327 by changing the saturation by 10% instead.


 21.6609, 0.6366,
0.3327


 21.6609, 0.6366,
0.3327


 260.7703, 0.4725,
0.3590


 13.6079, 0.6708,
0.3163


 46.1849, 0.5812,
0.3503


 7.8485, 0.7089,
0.2911


 63.4247, 0.5587,
0.3545

 3.9982, 0.7479,
0.2521

 84.4956, 0.5392,
0.3571

 1.6725, 0.8007,
0.1993

 109.7820, 0.5222,
0.3585

 0.4058, 0.8914,
0.1086

 139.6683, 0.5073,
0.3592


 0.0000, 1.0000,
0.0000


 174.5388, 0.4943,


 0.0000, 0.0000,


0.3594


0.0000

 214.7780, 0.4828,
0.3593


 21.6609, 0.6366,
0.3327


 21.6609, 0.6366,
0.3327


 21.6558, 0.6366,
0.3327

 22.8999, 0.6184,
0.3355

 25.2282, 0.5855,
0.3380

 28.8288, 0.5422,
0.3392

 33.8484, 0.4954,
0.3391

 40.4140, 0.4509,
0.3380

■ 48.6384, 0.4117,
0.3364

■ 58.6237, 0.3788,
0.3345

■ 70.4640, 0.3519,
0.3326

■ 84.2467, 0.3302,
0.3307

Harmonies

Analogous

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



21.6609, 0.5805, 0.2540



21.6609, 0.6366, 0.3327



21.6609, 0.5687, 0.4313

Triad

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



21.6609, 0.6366, 0.3327



21.6609, 0.1731, 0.5938



21.6609, 0.1265, 0.1108

Complementary

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



21.6609, 0.6366, 0.3327



68.4681, 0.2189, 0.3079

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.



21.6609, 0.0807, 0.1226



21.6609, 0.6366, 0.3327



21.6609, 0.0924, 0.3377

Square

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



21.6609, 0.6366, 0.3327



21.6609, 0.2982, 0.6722



21.6609, 0.0690, 0.1811



21.6609, 0.2267, 0.1300

Rectangle

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



21.6609, 0.6366, 0.3327



21.6609, 0.4851, 0.5149



21.6609, 0.0690, 0.1811



21.6609, 0.1065, 0.1110

Sweetspot

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



21.6583, 0.6366, 0.3327



58.5892, 0.3789, 0.3345



27.6878, 0.3341, 0.1614



11.5926, 0.3920, 0.3353



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.



21.6583, 0.6366, 0.3327



21.6558, 0.6366, 0.3327



40.1002, 0.5286, 0.4184



18.1795, 0.3293, 0.3306



11.3872, 0.6355, 0.3336



1.1730, 0.6250, 0.3420

Inverse Universe

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



68.4681, 0.2189, 0.3079



68.4645, 0.2189, 0.3079



19.4352, 0.1717, 0.1382



20.2639, 0.2980, 0.3274



35.8618, 0.2190, 0.3082



3.5512, 0.2197, 0.3107

Previews

White Background



This preview shows how the Yxy color 21.6609, 0.6366, 0.3327 looks on a white background.

Color Contrast Check

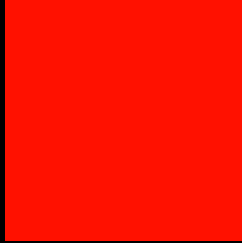
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6609, 0.6366, 0.3327 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 21.6609, 0.6366, 0.3327

Background



This preview shows how black text looks on a background with the Yxy color 21.6609, 0.6366, 0.3327.



This preview shows how white text looks on a background with the Yxy color 21.6609, 0.6366, 0.3327.

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

21.6609, 0.6366, 0.3327

Protanopia

21.8301, 0.4282, 0.4721

Deuteranopia

21.9524, 0.4700, 0.4650



Tritanopia

21.6836, 0.6347, 0.3342

Trichromacy



Original Color

21.6609, 0.6366, 0.3327

Protanomaly

17.3479, 0.5396, 0.3961

Deuteranomaly

18.0764, 0.5622, 0.3918

Tritanomaly

21.6072, 0.6354, 0.3337

Monochromacy



Original Color

21.6609, 0.6366, 0.3327

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.8164, 0.4970, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6609, 0.6366, 0.3327 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, 17, 0)` looks like.

```
.text, #text, p{  
  color:rgb(255, 17, 0)  
}
```

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, 17, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 17, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.6609, 0.6366, 0.3327 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, 17, 0) }
```

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

```
.border{ border-color:rgb(255, 17, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 17, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 17, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 17, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 17, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.6609, 0.6366, 0.3327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 17, 0) }
```

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

```
.background{ background-color: rgb(255, 17,  
0) }
```

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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