

Converting Colors

$Y_{xy}(22.6302, 0.6148, 0.3299)$

Have a look what the booklet for
Yxy(22.6302, 0.6148, 0.3299)
contains.

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Color

Yxy(22.6491, 0.6145, 0.3299)

Conversions

Conversions Part 1

Format	Color
Hex	FF2424
RGB	255, 36, 36
RGB Percent	100%, 14%, 14%
CMY	0.0000, 0.8587, 0.8588
CMYK	0.00, 0.86, 0.86, 0.00
HSL	0°, 100%, 57%
HSV	0°, 86%, 100%
XYZ	42.1882, 22.6491, 3.8172
YIQ	101.4810, 130.5240, 46.4280

Conversions

Conversions Part 2

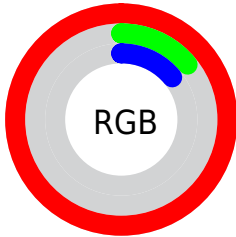
Format	Color
R_{YB}	255, 36, 36
Decimal	16720932
CIE _{Lab}	54.71, 76.63, 56.45
CIE _{LCh}	55, 95.177, 36.381
Yxy	22.6491, 0.6145, 0.3299
Android (android.graphics.Color)	4294911012 (0xFFFF2424)
YUV	101.4810, -32.2821, 134.6362
Hunter-Lab	47.5911, 74.9509, 28.5582

Details

The Yxy color **22.6491, 0.6145, 0.3299** 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 **79.0869, 0.2266, 0.3287**, and the grayscale version is **13.2104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6252, 0.5185, 0.3509**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.5111, 0.6352, 0.3300**, and if you desaturate by 10%, it is **24.9962, 0.5778, 0.3298**.

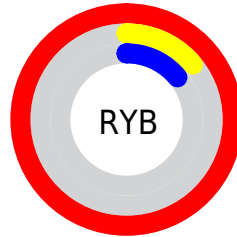
Distribution



Red (100%)

Green (14%)

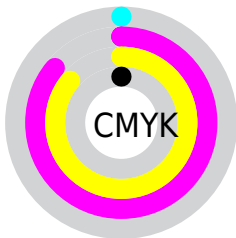
Blue (14%)



Red (100%)

Yellow (14%)

Blue (14%)

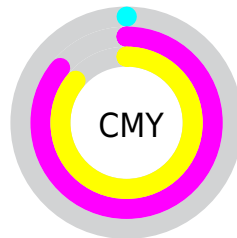


Cyan (0%)

Magenta (86%)

Yellow (86%)

Black (0%)



Cyan (0%)


Magenta (86%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6491, 0.6145, 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 22.6491, 0.6145, 0.3299 by changing the saturation by 10% instead.


 22.6491, 0.6145,
0.3299


 22.6491, 0.6145,
0.3299


265.9175, 0.4566,
0.3507


 14.3346, 0.6499,
0.3164


 47.8165, 0.5587,
0.3436


 8.3538, 0.6948,
0.2968

 65.4382, 0.5370,
0.3469


 4.3221, 0.7381,
0.2619

 86.9311, 0.5184,
0.3489

 1.8553, 0.7891,
0.2109

 112.6796, 0.5024,
0.3501

 0.5213, 0.8694,
0.1306

 143.0681, 0.4886,
0.3507

 0.0000, 1.0000,
0.0000

 178.4810, 0.4765,


 0.0000, 0.0000,


0.3509

0.0000

 219.3027, 0.4659,
0.3509

 22.6491, 0.6145,
0.3299


 22.6491, 0.6145,
0.3299


 21.5111, 0.6352,
0.3300


 24.9962, 0.5778,
0.3298

 21.2600, 0.6401,
0.3300

 28.7682, 0.5314,
0.3297

 34.1443, 0.4830,
0.3295

 41.2764, 0.4382,
0.3294

 50.2986, 0.3999,
0.3293

61.3321, 0.3683,
0.3292

74.4882, 0.3429,
0.3291

89.8697, 0.3226,
0.3290

99.9990, 0.3127,
0.3290

Harmonies

Analogous

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



22.6491, 0.5390, 0.2520



22.6491, 0.6145, 0.3299



22.6491, 0.5698, 0.4209

Triad

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



22.6491, 0.6145, 0.3299



22.6491, 0.2035, 0.5885



22.6491, 0.1292, 0.1227

Complementary

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



22.6491, 0.6145, 0.3299



79.0869, 0.2266, 0.3287

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.



22.6491, 0.0892, 0.1402



22.6491, 0.6145, 0.3299



22.6491, 0.1151, 0.3691

Square

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



22.6491, 0.6145, 0.3299



22.6491, 0.3275, 0.6370



22.6491, 0.0829, 0.2080



22.6491, 0.2172, 0.1373

Rectangle

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



22.6491, 0.6145, 0.3299



22.6491, 0.5019, 0.4981



22.6491, 0.0829, 0.2080



22.6491, 0.1115, 0.1246

Sweetspot

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



22.6505, 0.6145, 0.3299



61.1924, 0.3686, 0.3292



29.7405, 0.3207, 0.1592



12.2312, 0.3789, 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.



22.6505, 0.6145, 0.3299



21.2610, 0.6401, 0.3300



41.7897, 0.5147, 0.4156



17.9876, 0.3295, 0.3291



11.1095, 0.6401, 0.3300



1.0819, 0.6400, 0.3300

Inverse Universe

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



79.0869, 0.2266, 0.3287



78.7114, 0.2246, 0.3287



27.9980, 0.1864, 0.1801



20.4809, 0.2980, 0.3290



41.1286, 0.2246, 0.3287



4.0047, 0.2246, 0.3287

Previews

White Background



This preview shows how the Yxy color 22.6491, 0.6145, 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



This preview shows how the Yxy color 22.6491, 0.6145, 0.3299 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 22.6491, 0.6145, 0.3299

Background



This preview shows how black text looks on a background with the Yxy color 22.6491, 0.6145, 0.3299.



This preview shows how white text looks on a background with the Yxy color 22.6491, 0.6145, 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

22.6491, 0.6145, 0.3299

Protanopia

22.9190, 0.4083, 0.4484

Deuteranopia

22.7742, 0.4705, 0.4646



Tritanopia

22.6929, 0.6160, 0.3315

Trichromacy



Original Color

22.6491, 0.6145, 0.3299

Protanomaly

19.2188, 0.5048, 0.3865

Deuteranomaly

19.8635, 0.5464, 0.3979

Tritanomaly

22.6986, 0.6154, 0.3311

Monochromacy



Original Color

22.6491, 0.6145, 0.3299

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.2679, 0.4519, 0.3294

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6491, 0.6145, 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, 36, 36)` looks like.

```
.text, #text, p{  
    color:rgb(255, 36, 36)  
}
```

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, 36, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 36) }
```

Border

The CSS property to change the border of an element to Yxy 22.6491, 0.6145, 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, 36, 36) }
```

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

```
.border{ border-color:rgb(255, 36, 36) }
```

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

Here you see how a box with a 4 pixel rgb(255, 36, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 36);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6491, 0.6145, 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, 36, 36) }
```

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

```
.background{ background-color: rgb(255, 36,  
36) }
```

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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