

Converting Colors

$Yxy(22.6683, 0.5993, 0.3510)$

Have a look what the booklet for
Yxy(22.6683, 0.5993, 0.3510)
contains.

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Color

Yxy(22.6100, 0.5995, 0.3510)

Conversions

Conversions Part 1

Format	Color
Hex	F24018
RGB	242, 64, 24
RGB Percent	95%, 25%, 9%
CMY	0.0510, 0.7490, 0.9062
CMYK	0.00, 0.74, 0.90, 0.05
HSL	11°, 89%, 52%
HSV	11°, 90%, 95%
XYZ	38.6174, 22.6100, 3.1886
YIQ	112.6620, 118.9280, 25.2960

Conversions

Conversions Part 2

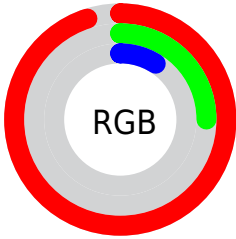
Format	Color
R_{YB}	242, 73, 24
Decimal	15876120
CIE _{Lab}	54.67, 65.72, 60.20
CIE _{LCh}	55, 89.122, 42.487
Yxy	22.6100, 0.5995, 0.3510
Android (android.graphics.Color)	4294066200 (0xFFFF24018)
YUV	112.6620, -43.7104, 113.4294
Hunter-Lab	47.5500, 61.7550, 29.3091

Details

The Yxy color **22.6100, 0.5995, 0.3510** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **48.8090, 0.2110, 0.2746**, and the grayscale version is **16.5121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9339, 0.5139, 0.3724**, and **9.3471, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.7157, 0.6228, 0.3437**, and if you desaturate by 10%, it is **25.3959, 0.5654, 0.3562**.

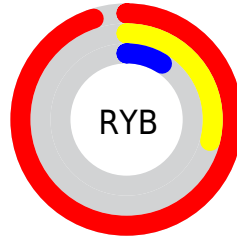
Distribution



Red (95%)

Green (25%)

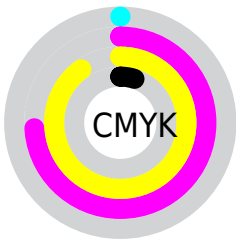
Blue (9%)



Red (95%)

Yellow (29%)

Blue (9%)

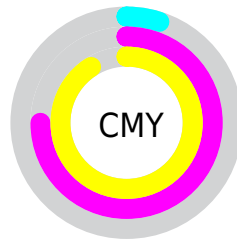


Cyan (0%)

Magenta (74%)

Yellow (90%)

Black (5%)



Cyan (5%)


Magenta (75%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6100, 0.5995, 0.3510 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 22.6100, 0.5995, 0.3510 by changing the saturation by 10% instead.


 22.6100, 0.5995,
0.3510


 22.6100, 0.5995,
0.3510


265.7155, 0.4504,
0.3611


 14.3058, 0.6322,
0.3395


 47.7521, 0.5473,
0.3612

 8.3337, 0.6767,
0.3233

 65.3589, 0.5268,
0.3630

 4.3092, 0.7119,
0.2881


 86.8353, 0.5092,
0.3637

 1.8480, 0.7613,
0.2387

 112.5657, 0.4941,
0.3638

 0.5168, 0.8452,
0.1548

 142.9345, 0.4809,
0.3634


 0.0000, 1.0000,
0.0000


 178.3262, 0.4695,


 0.0000, 0.0000,


0.3627

0.0000


 219.1250, 0.4594,
0.3619


 22.6100, 0.5995,
0.3510


 22.6100, 0.5995,
0.3510


 20.7157, 0.6228,
0.3437

 25.3959, 0.5654,
0.3562


 29.1528, 0.5245,
0.3581


 33.9638, 0.4820,
0.3569

 39.9017, 0.4420,
0.3536

 47.0325, 0.4065,
0.3490

 55.4172, 0.3762,
0.3439

 65.1126, 0.3510,
0.3387

 76.1718, 0.3301,
0.3337

 88.6452, 0.3129,
0.3291

Harmonies

Analogous

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



22.6100, 0.5504, 0.2725



22.6100, 0.5995, 0.3510



22.6100, 0.5434, 0.4439

Triad

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



22.6100, 0.5995, 0.3510



22.6100, 0.1902, 0.5340



22.6100, 0.1498, 0.1311

Complementary

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



22.6100, 0.5995, 0.3510



48.8090, 0.2110, 0.2746

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.



22.6100, 0.1023, 0.1419



22.6100, 0.5995, 0.3510



22.6100, 0.1140, 0.3292

Square

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



22.6100, 0.5995, 0.3510



22.6100, 0.3074, 0.6260



22.6100, 0.0901, 0.1965



22.6100, 0.2472, 0.1514

Rectangle

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



22.6100, 0.5995, 0.3510



22.6100, 0.4737, 0.5179



22.6100, 0.0901, 0.1965



22.6100, 0.1293, 0.1310

Sweetspot

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



22.6114, 0.5995, 0.3510



65.5685, 0.3680, 0.3423



23.7938, 0.3680, 0.1839



13.2746, 0.3773, 0.3441



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.



22.6114, 0.5995, 0.3510



23.2826, 0.6232, 0.3434



48.8104, 0.4785, 0.4516



16.2287, 0.3289, 0.3334



11.2706, 0.6204, 0.3456



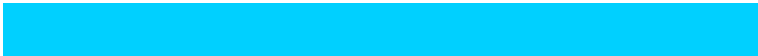
1.0675, 0.5968, 0.3644

Inverse Universe

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



48.8090, 0.2110, 0.2746



52.3957, 0.2077, 0.2679



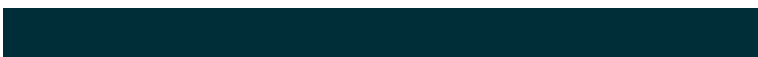
14.4299, 0.1686, 0.1198



17.4060, 0.2981, 0.3246



25.2102, 0.2081, 0.2691



2.2240, 0.2105, 0.2779

Previews

White Background



This preview shows how the Yxy color 22.6100, 0.5995, 0.3510 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 22.6100, 0.5995, 0.3510 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 22.6100, 0.5995, 0.3510

Background



This preview shows how black text looks on a background with the Yxy color 22.6100, 0.5995, 0.3510.



This preview shows how white text looks on a background with the Yxy color 22.6100, 0.5995, 0.3510.

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

22.6100, 0.5995, 0.3510

Protanopia

22.8588, 0.4230, 0.4679

Deuteranopia

22.7742, 0.4705, 0.4646



Tritanopia

22.6342, 0.5723, 0.3284

Trichromacy



Original Color

22.6100, 0.5995, 0.3510

Protanomaly

20.5760, 0.5009, 0.4149

Deuteranomaly

21.1896, 0.5297, 0.4134

Tritanomaly

22.6056, 0.5857, 0.3381

Monochromacy



Original Color

22.6100, 0.5995, 0.3510

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.2521, 0.4346, 0.3519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6100, 0.5995, 0.3510 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(242, 64, 24)` looks like.

```
.text, #text, p{  
    color:rgb(242, 64, 24)  
}
```

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(242, 64, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 64, 24) }
```

Border

The CSS property to change the border of an element to Yxy 22.6100, 0.5995, 0.3510 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(242, 64, 24) }
```

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

```
.border{ border-color:rgb(242, 64, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 64, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 64, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 64, 24);  
box-shadow:4px 4px 4px 4px rgb(242, 64,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6100, 0.5995, 0.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 64, 24) }
```

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

```
.background{ background-color: rgb(242, 64,  
24) }
```

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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