

Converting Colors

$Yxy(21.9984, 0.5738, 0.3127)$

Have a look what the booklet for
Yxy(21.9984, 0.5738, 0.3127)
contains.

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Color

Yxy(22.0177, 0.5742, 0.3132)

Conversions

Conversions Part 1

Format	Color
Hex	F72C46
RGB	247, 44, 70
RGB Percent	97%, 17%, 27%
CMY	0.0313, 0.8274, 0.7255
CMYK	0.00, 0.82, 0.72, 0.03
HSL	352°, 93%, 57%
HSV	352°, 82%, 97%
XYZ	40.3658, 22.0177, 7.9157
YIQ	107.6610, 112.6420, 51.1220

Conversions

Conversions Part 2

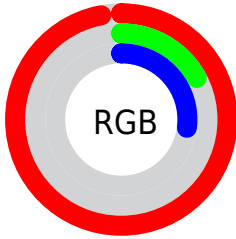
Format	Color
R_{YB}	247, 44, 70
Decimal	16198726
CIE Lab	54.05, 73.91, 37.30
CIE LCh	54, 82.789, 26.776
Yxy	22.0177, 0.5742, 0.3132
Android (android.graphics.Color)	4294388806 (0xFFFF72C46)
YUV	107.6610, -18.5669, 122.2003
Hunter-Lab	46.9230, 71.4403, 22.8442

Details

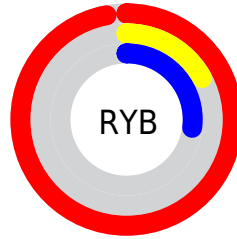
The Yxy color **22.0177, 0.5742, 0.3132** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **72.2825, 0.2374, 0.3623**, and the grayscale version is **14.9261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.9369, 0.4772, 0.3227**, and **10.0242, 0.6195, 0.3187** is the 20% darker color. If you saturate the color by 10%, you get **20.4686, 0.6083, 0.3181**, and if you desaturate by 10%, it is **24.7597, 0.5317, 0.3106**.

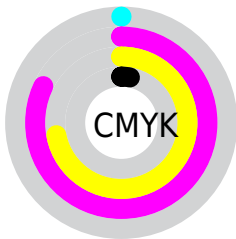
Distribution



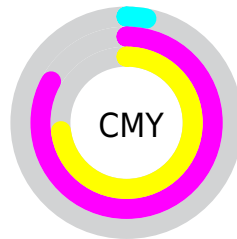
- Red (97%)
- Green (17%)
- Blue (27%)



- Red (97%)
- Yellow (17%)
- Blue (27%)



- Cyan (0%)
- Magenta (82%)
- Yellow (72%)
- Black (3%)



- Cyan (3%)
- Magenta (83%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0177, 0.5742, 0.3132 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 22.0177, 0.5742, 0.3132 by changing the saturation by 10% instead.


 22.0177, 0.5742,
0.3132


 22.0177, 0.5742,
0.3132


262.6387, 0.4308,
0.3340


 13.8699, 0.6111,
0.3026


 46.7753, 0.5204,
0.3246

 8.0302, 0.6573,
0.2857


 64.1538, 0.5006,
0.3277

 4.1143, 0.7211,
0.2604

 85.3780, 0.4840,
0.3298

 1.7377, 0.7865,
0.2135

 110.8324, 0.4700,
0.3313

 0.4479, 0.8749,
0.1251

 140.9012, 0.4580,
0.3323

 0.0000, 1.0000,
0.0000

175.9690, 0.4477,

 0.0000, 0.0000,

0.3331

0.0000

216.4200, 0.4387,
0.3336

■ 22.0177, 0.5742,
0.3132

■ 22.0177, 0.5742,
0.3132

■ 20.4686, 0.6083,
0.3181

■ 24.7597, 0.5317,
0.3106


■ 19.8777, 0.6265,
0.3225

■ 28.8690, 0.4871,
0.3104


■ 34.4951, 0.4451,
0.3121


■ 41.7670, 0.4083,
0.3148

■ 50.8001, 0.3775,
0.3182

 61.6992, 0.3524,
0.3217

 74.5608, 0.3321,
0.3251

 89.4751, 0.3158,
0.3283

 98.5154, 0.3078,
0.3290

Harmonies

Analogous

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



22.0177, 0.4695, 0.2390



22.0177, 0.5742, 0.3132



22.0177, 0.5715, 0.3951

Triad

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



22.0177, 0.5742, 0.3132



22.0177, 0.2559, 0.5882



22.0177, 0.1276, 0.1406

Complementary

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



22.0177, 0.5742, 0.3132



72.2825, 0.2374, 0.3623

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.



22.0177, 0.1001, 0.1717



22.0177, 0.5742, 0.3132



22.0177, 0.1561, 0.4289

Square

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



22.0177, 0.5742, 0.3132



22.0177, 0.3757, 0.5870



22.0177, 0.1063, 0.2597



22.0177, 0.1951, 0.1447

Rectangle

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



22.0177, 0.5742, 0.3132



22.0177, 0.5231, 0.4586



22.0177, 0.1063, 0.2597



22.0177, 0.1146, 0.1464

Sweetspot

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



22.0191, 0.5742, 0.3132



62.7735, 0.3590, 0.3207



23.7236, 0.2931, 0.1473



12.5478, 0.3678, 0.3194



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.



22.0191, 0.5742, 0.3132



21.4360, 0.6248, 0.3222



33.0173, 0.5352, 0.3897



16.5170, 0.3273, 0.3260



10.5232, 0.6238, 0.3210



0.9356, 0.5962, 0.3058

Inverse Universe

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



22.0191, 0.5742, 0.3132



21.4360, 0.6248, 0.3222



36.9745, 0.2005, 0.2267



16.5170, 0.3273, 0.3260



10.5232, 0.6238, 0.3210



0.9356, 0.5962, 0.3058

Previews

White Background



This preview shows how the Yxy color 22.0177, 0.5742, 0.3132 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 22.0177, 0.5742, 0.3132 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 22.0177, 0.5742, 0.3132

Background



This preview shows how black text looks on a background with the Yxy color 22.0177, 0.5742, 0.3132.



This preview shows how white text looks on a background with the Yxy color 22.0177, 0.5742, 0.3132.

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

22.0177, 0.5742, 0.3132

Protanopia

22.0903, 0.3589, 0.3821

Deuteranopia

21.9450, 0.4351, 0.4274



Tritanopia

21.9201, 0.5958, 0.3298

Trichromacy



Original Color

22.0177, 0.5742, 0.3132

Protanomaly

18.9049, 0.4454, 0.3438

Deuteranomaly

19.5597, 0.5011, 0.3684

Tritanomaly

21.9114, 0.5885, 0.3245

Monochromacy



Original Color

22.0177, 0.5742, 0.3132

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.6761, 0.4196, 0.3147

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0177, 0.5742, 0.3132 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(247, 44, 70)` looks like.

```
.text, #text, p{  
    color:rgb(247, 44, 70)  
}
```

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(247, 44, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 44, 70) }
```

Border

The CSS property to change the border of an element to Yxy 22.0177, 0.5742, 0.3132 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(247, 44, 70) }
```

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

```
.border{ border-color:rgb(247, 44, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 44, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 44, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 44, 70);  
box-shadow:4px 4px 4px 4px rgb(247, 44,  
70) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.0177, 0.5742, 0.3132$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 44, 70) }
```

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

```
.background{ background-color: rgb(247, 44,  
70) }
```

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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