

Converting Colors

YIQ(116.3780, 131.1710,
18.1710)

Have a look what the booklet for
YIQ(116.3780, 131.1710, 18.1710)
contains.

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Color

**YIQ(116.3780, 131.1710,
18.1710)**

Conversions

Conversions Part 1

Format	Color
Hex	FD4502
RGB	253, 69, 2
RGB Percent	99%, 27%, 1%
CMY	0.0075, 0.7297, 0.9916
CMYK	0.00, 0.73, 0.99, 0.01
HSL	16°, 99%, 50%
HSV	16°, 99%, 99%
XYZ	42.6799, 25.1530, 2.6672
YIQ	116.3780, 131.1710, 18.1710

Conversions

Conversions Part 2

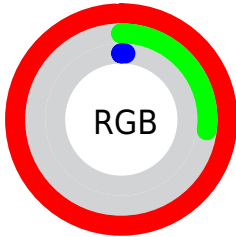
Format	Color
R_{YB}	253, 93, 2
Decimal	16598274
CIE _{Lab}	57.22, 67.26, 68.16
CIE _{LCh}	57, 95.762, 45.382
Yxy	25.1530, 0.6054, 0.3568
Android (android.graphics.Color)	4294788354 (0xFFFD4502)
YUV	116.3780, -56.3884, 119.8175
Hunter-Lab	50.1528, 64.1357, 31.9539

Details

The YIQ color **116.3780, 131.1710, 18.1710** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **138.6220, -131.1710, -18.1710**, and the grayscale version is **117.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **159.2640, 95.9610, 6.4970**, and **55.9130, 111.4520, 39.6440** is the 20% darker color. If you saturate the color by 10%, you get **114.9760, 132.3630, 18.5950**, and if you desaturate by 10%, it is **130.3810, 117.9210, 16.0090**.

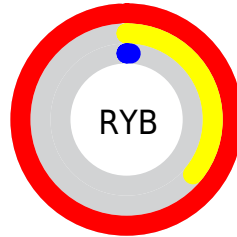
Distribution



Red (99%)

Green (27%)

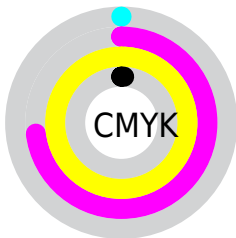
Blue (1%)



Red (99%)

Yellow (36%)

Blue (1%)

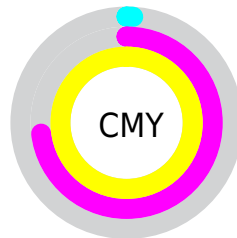


Cyan (0%)

Magenta (73%)

Yellow (99%)

Black (1%)



Cyan (1%)


Magenta (73%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 116.3780, 131.1710, 18.1710 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 YIQ color 116.3780, 131.1710, 18.1710 by changing the saturation by 10% instead.


 116.3780,
131.1710, 18.1710

 116.3780,
131.1710, 18.1710


255.0000, -0.0000,
-0.0000


 85.1510, 122.0450,
29.3810


 158.6770, 96.2360,
7.0200


 55.9130, 111.4520,
39.6440


 178.7780, 79.5940,
0.2500


 46.0460, 91.7840,
32.6480


 199.3520, 62.9980,
-7.3540

 36.4780, 72.7120,
25.8640

 219.4530, 46.3560,
-14.1240

 27.0240, 53.3190,
19.3910

 240.1410, 29.4390,
-21.4170


 18.5810, 35.3930,
13.8650

 248.6160, 17.9760,


 7.5890, 14.5790,


-17.4160


5.6110


 251.9220, 8.6670,
-8.3970


 0.0000, 0.0000,
0.0000

 116.3780,
131.1710, 18.1710

 116.3780,
131.1710, 18.1710


 114.9760,
132.3630, 18.5950

 130.3810,
117.9210, 16.0090

 143.9110,
104.6250, 14.6810

 157.9140, 91.3750,
12.5190

 171.3300, 78.4000,
10.8800

 185.4470, 64.8290,
9.0290

198.8630, 51.8540,
7.3900

212.8660, 38.6040,
5.2280

226.9830, 25.0330,
3.3770

240.3990, 12.0580,
1.7380

Harmonies

Analogous

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



87.5310, 120.2010, 84.8490



116.3780, 131.1710, 18.1710



129.6530, 86.4750, -19.8370

Triad

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



116.3780, 131.1710, 18.1710



109.6910, -76.0070, -59.7750



107.7280, -118.7050, 9.2230

Complementary

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



116.3780, 131.1710, 18.1710



138.6220, -131.1710, -18.1710

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.



122.4030, -125.5800, -3.8520



116.3780, 131.1710, 18.1710



120.8970, -104.8050, -33.4530

Square

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



116.3780, 131.1710, 18.1710



95.0940, -44.5500, -84.7260



128.8600, -128.6050, -9.6050



136.9490, 7.4600, 74.0840

Rectangle

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



116.3780, 131.1710, 18.1710



127.6390, 53.5590, -40.0490



128.8600, -128.6050, -9.6050



114.1850, -121.7300, 3.4700

Sweetspot

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



116.3780, 131.1710, 18.1710



213.4640, 39.7960, 5.6520



98.4810, 89.2480, 111.6800



102.7980, 24.1160, 3.4760



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



116.3780, 131.1710, 18.1710



116.1610, 133.2800, 18.4960



187.4050, 97.8960, -45.1120



120.6480, 6.9230, 1.1870



87.0460, 99.8110, 13.8190



29.1150, 33.4690, 4.6770

Inverse Universe

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



138.6220, -131.1710, -18.1710



138.8390, -133.2800, -18.4960



67.5950, -97.8960, 45.1120



121.7650, -6.6480, -0.6640



103.9540, -99.8110, -13.8190



34.8850, -33.4690, -4.6770

Previews

White Background



This preview shows how the YIQ color 116.3780, 131.1710, 18.1710 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 YIQ color 116.3780, 131.1710, 18.1710 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](#).

YIQ 116.3780, 131.1710, 18.1710

Background



This preview shows how black text looks on a background with the YIQ color 116.3780, 131.1710, 18.1710.



This preview shows how white text looks on a background with the YIQ color 116.3780, 131.1710, 18.1710.

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

116.3780, 131.1710, 18.1710

Protanopia

130.5430, 45.4420, -30.6060

Deuteranopia

128.9230, 67.6790, -31.6250



Tritanopia

121.0380, 112.5980, 40.9020

Trichromacy



Original Color

116.3780, 131.1710, 18.1710

Protanomaly

125.6060, 76.6620, -12.6980

Deuteranomaly

124.2070, 90.9670, -13.1370

Tritanomaly

119.5900, 119.4310, 32.7030

Monochromacy



Original Color

116.3780, 131.1710, 18.1710

Achromatopsia

116.0000, -0.0000, 0.0000

Achromatomaly

116.2970, 47.6360, 6.7400

CSS Examples

Text

The CSS property to change the color of the text to YIQ 116.3780, 131.1710, 18.1710 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(253, 69, 2)` looks like.

```
.text, #text, p{  
    color:rgb(253, 69, 2)  
}
```

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(253, 69, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 69, 2) }
```

Border

The CSS property to change the border of an element to YIQ 116.3780, 131.1710, 18.1710 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(253, 69, 2) }
```


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

```
.border{ border-color:rgb(253, 69, 2) }
```

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

Here you see how a box with a 4 pixel rgb(253, 69, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 69, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 69, 2);  
box-shadow:4px 4px 4px 4px rgb(253, 69, 2)  
}
```

Background

The CSS property to change the background color of an element to YIQ 116.3780, 131.1710, 18.1710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 69, 2) }
```

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

```
.background{ background-color: rgb(253, 69,  
2) }
```

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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