

Converting Colors

YIQ(100.4790, 106.5020,
30.2300)

Have a look what the booklet for
YIQ(100.4790, 106.5020, 30.2300)
contains.

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Color

**YIQ(100.4790, 106.5020,
30.2300)**

Conversions

Conversions Part 1

Format	Color
Hex	DD3422
RGB	221, 52, 34
RGB Percent	87%, 20%, 13%
CMY	0.1329, 0.7963, 0.8662
CMYK	0.00, 0.77, 0.85, 0.13
HSL	6°, 73%, 50%
HSV	6°, 85%, 87%
XYZ	31.3643, 17.9536, 3.3341
YIQ	100.4790, 106.5020, 30.2300

Conversions

Conversions Part 2

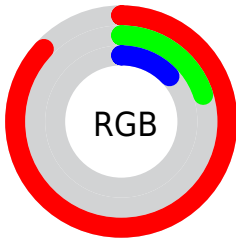
Format	Color
RYB	221, 54, 34
Decimal	14496802
CIELab	49.44, 63.45, 50.26
CIElCh	49, 80.941, 38.382
Yxy	17.9536, 0.5957, 0.3410
Android (android.graphics.Color)	4292686882 (0xFFDD3422)
YUV	100.4790, -32.7741, 105.6969
Hunter-Lab	42.3717, 57.9787, 24.9948

Details

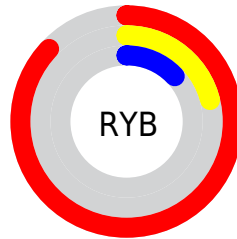
The YIQ color **100.4790, 106.5020, 30.2300** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **154.5210, -106.5020, -30.2300**, and the grayscale version is **101.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **151.3370, 94.8580, 20.9860**, and **46.9430, 93.5720, 33.2840** is the 20% darker color. If you saturate the color by 10%, you get **86.2310, 119.0640, 33.8480**, and if you desaturate by 10%, it is **114.7270, 93.9400, 26.6120**.

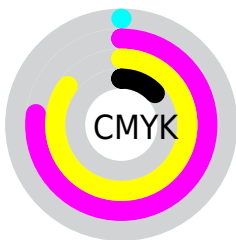
Distribution



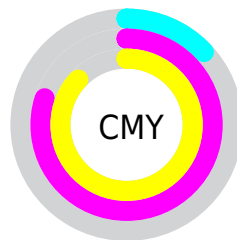
- Red (87%)
- Green (20%)
- Blue (13%)



- Red (87%)
- Yellow (21%)
- Blue (13%)



- Cyan (0%)
- Magenta (77%)
- Yellow (85%)
- Black (13%)





- Cyan (13%)
- Magenta (80%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 100.4790, 106.5020, 30.2300 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 100.4790, 106.5020, 30.2300 by changing the saturation by 10% instead.


 100.4790,
106.5020, 30.2300


 100.4790,
106.5020, 30.2300


255.0000, -0.0000,
-0.0000


 60.4720, 108.3800,
40.2520


 151.3370, 94.8580,
20.9860


 46.9430, 93.5720,
33.2840


 171.2100, 78.8580,
13.5940


 37.3750, 74.5000,
26.5000


 190.6100, 62.8120,
7.0360

 28.1060, 56.0240,
19.9280

 210.5970, 46.4910,
-0.0450

 20.0760, 38.3730,
14.9250

 231.2850, 29.5740,
-7.3380

 9.6820, 18.7510,
7.0950

 250.3260, 13.1610,

 0.0000, 0.0000,

-12.7510

0.0000

■ 253.6320, 3.8520,
-3.7320

■ 100.4790,
106.5020, 30.2300

■ 100.4790,
106.5020, 30.2300

■ 86.2310, 119.0640,
33.8480

■ 114.7270, 93.9400,
26.6120

■ 78.4060, 125.9410,
35.8690

■ 128.9750, 81.3780,
22.9940

■ 143.2230, 68.8160,
19.3760

■ 157.5850, 55.9330,
16.0690

■ 171.8330, 43.3710,
12.4510

■ 186.0810, 30.8090,
8.8330

■ 200.3290, 18.2470,
5.2150

■ 214.5770, 5.6850,
1.5970

■ 228.8250, -6.8770,
-2.0210

Harmonies

Analogous

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



81.5940, 106.7220, 81.3300



100.4790, 106.5020, 30.2300



110.1830, 82.3470, -11.1010

Triad

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



100.4790, 106.5020, 30.2300



91.1230, -59.5480, -55.1960



100.0970, -115.1300, 16.0220

Complementary

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



100.4790, 106.5020, 30.2300



154.5210, -106.5020, -30.2300

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.



109.1640, -117.2370, 4.6430



100.4790, 106.5020, 30.2300



101.2060, -83.8060, -34.0620

Square

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



100.4790, 106.5020, 30.2300



92.3900, -12.3680, -62.2240



108.1430, -104.7170, -13.0130



119.0950, -14.2230, 54.0410

Rectangle

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



100.4790, 106.5020, 30.2300



110.5720, 55.6660, -28.6700



108.1430, -104.7170, -13.0130



104.2060, -117.0550, 12.3610

Sweetspot

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



100.4790, 106.5020, 30.2300



213.6580, 36.4940, 10.4300



109.5210, 56.2400, 93.1360



103.0090, 22.1440, 6.1760



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.



100.4790, 106.5020, 30.2300



90.3330, 145.3800, 41.5080



153.8960, 81.4770, -17.3630



102.8760, 6.2810, 1.8090



61.7060, 98.4330, 27.7850



16.1020, 26.3160, 7.6600

Inverse Universe

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



154.5210, -106.5020, -30.2300



164.6670, -145.3800, -41.5080



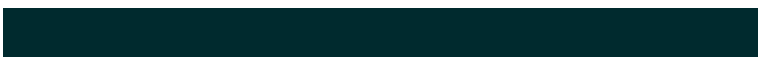
101.1040, -81.4770, 17.3630



106.1240, -6.2810, -1.8090



111.8810, -98.7080, -28.3080



29.8980, -26.3160, -7.6600

Previews

White Background



This preview shows how the YIQ color 100.4790, 106.5020, 30.2300 looks on a white 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

Black Background



This preview shows how the YIQ color 100.4790, 106.5020, 30.2300 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 100.4790, 106.5020, 30.2300

Background



This preview shows how black text looks on a background with the YIQ color 100.4790, 106.5020, 30.2300.



This preview shows how white text looks on a background with the YIQ color 100.4790, 106.5020,

30.2300.

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

100.4790, 106.5020, 30.2300

Protanopia

114.2490, 29.2550, -18.0810

Deuteranopia

111.1640, 56.9950, -25.2210



Tritanopia

101.2430, 101.5950, 36.5630

Trichromacy



Original Color

100.4790, 106.5020, 30.2300

Protanomaly

109.3440, 57.4490, -0.3990

Deuteranomaly

107.2780, 75.0100, -4.7820

Tritanomaly

101.1460, 103.2460, 34.1740

Monochromacy



Original Color

100.4790, 106.5020, 30.2300

Achromatopsia

100.0000, -0.0000, -0.0000

Achromatomaly

100.4410, 38.6030, 10.7550

CSS Examples

Text

The CSS property to change the color of the text to YIQ 100.4790, 106.5020, 30.2300 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(221, 52, 34)` looks like.

```
.text, #text, p{  
    color:rgb(221, 52, 34)  
}
```

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(221, 52, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 52, 34) }
```

Border

The CSS property to change the border of an element to YIQ 100.4790, 106.5020, 30.2300 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(221, 52, 34) }
```


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

```
.border{ border-color:rgb(221, 52, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 52, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 52, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 52, 34);  
box-shadow:4px 4px 4px 4px rgb(221, 52,  
34) }
```

Background

The CSS property to change the background color of an element to YIQ 100.4790, 106.5020, 30.2300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 52, 34) }
```

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

```
.background{ background-color: rgb(221, 52,  
34) }
```

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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