

Converting Colors

YIQ(80.2320, 100.1280, 35.6160)

Have a look what the booklet for
YIQ(80.2320, 100.1280, 35.6160)
contains.

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Color

**YIQ(80.2320, 100.1280,
35.6160)**

Conversions

Conversions Part 1

Format	Color
Hex	C61E1E
RGB	198, 30, 30
RGB Percent	78%, 12%, 12%
CMY	0.2231, 0.8826, 0.8820
CMYK	0.00, 0.85, 0.85, 0.22
HSL	360°, 74%, 45%
HSV	360°, 85%, 78%
XYZ	24.0137, 13.0389, 2.4862
YIQ	80.2320, 100.1280, 35.6160

Conversions

Conversions Part 2

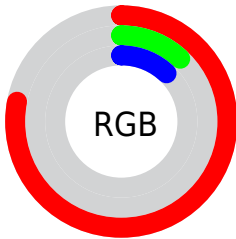
Format	Color
R _Y B	198, 30, 30
Decimal	12983838
CIE Lab	42.82, 62.55, 44.68
CIE LCh	43, 76.865, 35.538
Yxy	13.0389, 0.6073, 0.3298
Android (android.graphics.Color)	4291173918 (0xFFC61E1E)
YUV	80.2320, -24.7644, 103.2825
Hunter-Lab	36.1094, 55.5160, 21.1944

Details

The YIQ color **80.2320, 100.1280, 35.6160** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **147.7680, -100.1280, -35.6160**, and the grayscale version is **80.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **140.0870, 101.7340, 28.5340**, and **40.3650, 80.4600, 28.6200** is the 20% darker color. If you saturate the color by 10%, you get **66.2120, 112.0480, 39.8560**, and if you desaturate by 10%, it is **94.2520, 88.2080, 31.3760**.

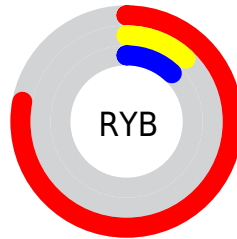
Distribution



Red (78%)

Green (12%)

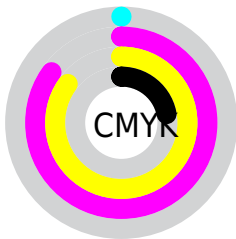
Blue (12%)



Red (78%)

Yellow (12%)

Blue (12%)

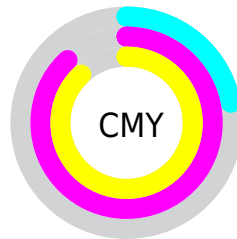


Cyan (0%)

Magenta (85%)

Yellow (85%)

Black (22%)



Cyan (22%)

Magenta (88%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 80.2320, 100.1280, 35.6160 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 80.2320, 100.1280, 35.6160 by changing the saturation by 10% instead.

■ 80.2320, 100.1280,
35.6160

■ 80.2320, 100.1280,
35.6160

■ 255.0000, -0.0000,
-0.0000

■ 50.4320, 96.6890,
37.3690

■ 140.0870,
101.7340, 28.5340

■ 40.3650, 80.4600,
28.6200

■ 159.9600, 85.7340,
21.1420

■ 30.7970, 61.3880,
21.8360

■ 179.8330, 69.7340,
13.7500

■ 22.3540, 43.4620,
16.3100

■ 199.2330, 53.6880,
7.1920

■ 13.2700, 25.9030,
9.6390

■ 219.3340, 37.0460,
0.4220

■ 0.0000, 0.0000,
0.0000

■ 240.1360, 19.8080,

-6.5600

■ 252.7200, 6.4200,
-6.2200

■ 80.2320, 100.1280,
35.6160

■ 80.2320, 100.1280,
35.6160

■ 66.2120, 112.0480,
39.8560

■ 94.2520, 88.2080,
31.3760

■ 59.2020, 118.0080,
41.9760

■ 108.2720, 76.2880,
27.1360

■ 121.5910, 64.9640,
23.1080

■ 135.6110, 53.0440,
18.8680

■ 149.6310, 41.1240,
14.6280

■ 163.6510, 29.2040,
10.3880

■ 177.6710, 17.2840,
6.1480

■ 190.9900, 5.9600,
2.1200

■ 205.0100, -5.9600,
-2.1200

Harmonies

Analogous

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



72.6800, 94.4360, 72.7080



80.2320, 100.1280, 35.6160



94.2350, 76.5690, -5.5030

Triad

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



80.2320, 100.1280, 35.6160



77.6900, -47.9030, -51.4790



88.4420, -102.9800, 16.0920

Complementary

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



80.2320, 100.1280, 35.6160



147.7680, -100.1280, -35.6160

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.



95.8790, -103.2530, 4.5150



80.2320, 100.1280, 35.6160



87.3170, -70.8770, -31.5890

Square

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



80.2320, 100.1280, 35.6160



80.3400, -8.9310, -52.9230



94.3850, -90.7790, -12.3070



101.2740, -22.3370, 46.9030

Rectangle

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



80.2320, 100.1280, 35.6160



95.8200, 52.2720, -22.2240



94.3850, -90.7790, -12.3070



92.5510, -104.9050, 12.4310

Sweetspot

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



80.2320, 100.1280, 35.6160



210.1360, 38.1440, 13.5680



98.4870, 44.4120, 87.2280



100.6610, 23.2440, 8.2680



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.



80.2320, 100.1280, 35.6160



76.2450, 151.9800, 54.0600



127.7790, 77.8530, -6.7470



92.6910, 5.3640, 1.9080



48.7370, 97.1480, 34.5560



10.7640, 21.4560, 7.6320

Inverse Universe

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



80.2320, 100.1280, 35.6160



76.2450, 151.9800, 54.0600



100.2210, -77.8530, 6.7470



92.6910, 5.3640, 1.9080



48.7370, 97.1480, 34.5560



10.7640, 21.4560, 7.6320

Previews

White Background



This preview shows how the YIQ color 80.2320, 100.1280, 35.6160 looks on a white background.

Color Contrast Check

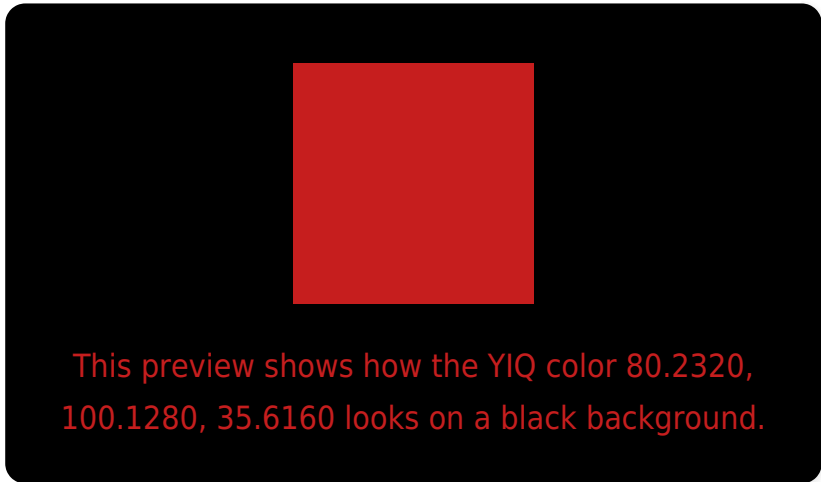
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 80.2320, 100.1280, 35.6160

Background



This preview shows how black text looks on a background with the YIQ color 80.2320, 100.1280, 35.6160.



This preview shows how white text looks on a background with the YIQ color 80.2320, 100.1280,

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

80.2320, 100.1280, 35.6160

Protanopia

99.9050, 24.5320, -15.0840

Deuteranopia

95.5100, 50.2090, -23.3830



Tritanopia

80.0040, 100.7700, 34.9940

Trichromacy



Original Color

80.2320, 100.1280, 35.6160

Protanomaly

92.6410, 52.3590, 3.7430

Deuteranomaly

90.1510, 68.1780, -2.1100

Tritanomaly

80.1180, 100.4490, 35.3050

Monochromacy



Original Color

80.2320, 100.1280, 35.6160

Achromatopsia

80.0000, 0.0000, -0.0000

Achromatomaly

80.2390, 36.3560, 12.9320

CSS Examples

Text

The CSS property to change the color of the text to YIQ 80.2320, 100.1280, 35.6160 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(198, 30, 30)` looks like.

```
.text, #text, p{  
    color:rgb(198, 30, 30)  
}
```

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(198, 30, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 30, 30) }
```

Border

The CSS property to change the border of an element to YIQ 80.2320, 100.1280, 35.6160 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(198, 30, 30) }
```


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

```
.border{ border-color:rgb(198, 30, 30) }
```

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

Here you see how a box with a 4 pixel rgb(198, 30, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 30, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 30, 30);  
box-shadow:4px 4px 4px 4px rgb(198, 30,  
30) }
```

Background

The CSS property to change the background color of an element to YIQ 80.2320, 100.1280, 35.6160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 30, 30) }
```

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

```
.background{ background-color: rgb(198, 30,  
30) }
```

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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