

Converting Colors

YIQ(90.2620, 117.7790, 40.6190)

Have a look what the booklet for
YIQ(90.2620, 117.7790, 40.6190)
contains.

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Color

**YIQ(90.2620, 117.7790,
40.6190)**

Conversions

Conversions Part 1

Format	Color
Hex	E4201D
RGB	228, 32, 29
RGB Percent	89%, 13%, 11%
CMY	0.1054, 0.8747, 0.8858
CMYK	0.00, 0.86, 0.87, 0.11
HSL	1°, 79%, 50%
HSV	1°, 87%, 89%
XYZ	32.7701, 17.6313, 2.8462
YIQ	90.2620, 117.7790, 40.6190

Conversions

Conversions Part 2

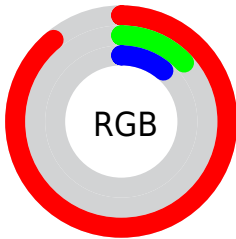
Format	Color
RYB	228, 32, 29
Decimal	14950429
CIELab	49.05, 70.23, 52.79
CIELCh	49, 87.862, 36.931
Yxy	17.6313, 0.6154, 0.3311
Android (android.graphics.Color)	4293140509 (0xFFE4201D)
YUV	90.2620, -30.2022, 120.7962
Hunter-Lab	41.9896, 65.8255, 25.3739

Details

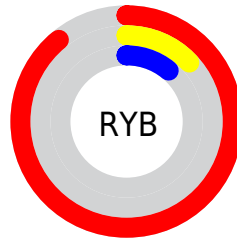
The YIQ color **90.2620, 117.7790, 40.6190** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **166.7380, -117.7790, -40.6190**, and the grayscale version is **90.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **144.3100, 99.4880, 25.1840**, and **48.7370, 97.1480, 34.5560** is the 20% darker color. If you saturate the color by 10%, you get **74.1390, 131.4870, 45.4950**, and if you desaturate by 10%, it is **105.7980, 104.3460, 36.2660**.

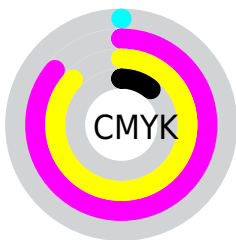
Distribution



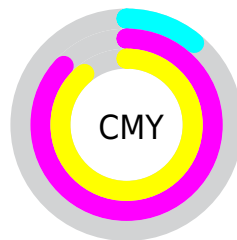
- Red (89%)
- Green (13%)
- Blue (11%)



- Red (89%)
- Yellow (13%)
- Blue (11%)



- Cyan (0%)
- Magenta (86%)
- Yellow (87%)
- Black (11%)





- Cyan (11%)
- Magenta (87%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 90.2620, 117.7790, 40.6190 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 90.2620, 117.7790, 40.6190 by changing the saturation by 10% instead.


 90.2620, 117.7790,
40.6190

 90.2620, 117.7790,
40.6190


255.0000, -0.0000,
-0.0000


 58.7610, 114.9360,
42.5840


 144.3100, 99.4880,
25.1840

 48.7370, 97.1480,
34.5560


 164.7700, 83.2130,
17.2690

 38.8700, 77.4800,
27.5600


 184.6430, 67.2130,
9.8770

 29.7150, 58.6830,
21.2990

 204.7440, 50.5710,
3.1070

 21.2720, 40.7570,
15.7730

 225.4320, 33.6540,
-4.1860

 11.1770, 21.7310,
8.1550

 246.2340, 16.4160,

 0.0000, 0.0000,

-11.1680

0.0000

252.9480, 5.7780,
-5.5980

90.2620, 117.7790,
40.6190

90.2620, 117.7790,
40.6190

74.1390, 131.4870,
45.4950

105.7980,
104.3460, 36.2660

69.9330, 135.0630,
46.7670

121.9210, 90.6380,
31.3900

137.4570, 77.2050,
27.0370

153.4660, 63.8180,
21.8500

169.0020, 50.3850,
17.4970

■ 185.1250, 36.6770,
12.6210

■ 200.6610, 23.2440,
8.2680

■ 216.7840, 9.5360,
3.3920

■ 232.2060, -3.5760,
-1.2720

Harmonies

Analogous

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



83.8010, 110.5730, 83.1250



90.2620, 117.7790, 40.6190



108.1560, 86.9770, -6.9030

Triad

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



90.2620, 117.7790, 40.6190



89.8690, -56.0170, -58.6170



100.6840, -115.4050, 15.4990

Complementary

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



90.2620, 117.7790, 40.6190



166.7380, -117.7790, -40.6190

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.



111.2500, -120.3550, 6.0850



90.2620, 117.7790, 40.6190



100.8640, -82.8430, -34.9950

Square

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



90.2620, 117.7790, 40.6190



89.4000, -18.3280, -64.3440



109.0720, -105.9550, -12.6030



116.7830, -21.9720, 56.8120

Rectangle

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



90.2620, 117.7790, 40.6190



109.7080, 58.2790, -26.4650



109.0720, -105.9550, -12.6030



105.3800, -117.6050, 11.3150

Sweetspot

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



90.2620, 117.7790, 40.6190



209.3210, 39.0610, 13.4690



111.1870, 54.7250, 104.0770



100.5470, 23.5650, 7.9570



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.



90.2620, 117.7790, 40.6190



78.5930, 150.8800, 51.9680



147.2010, 91.1040, -10.1120



106.5880, 7.1520, 2.5440



55.2820, 105.8590, 36.3790



15.8360, 30.1210, 10.2890

Inverse Universe

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



166.7380, -117.7790, -40.6190



176.4070, -150.8800, -51.9680



110.3860, -91.3790, 9.5890



111.4120, -7.1520, -2.5440



123.7180, -105.8590, -36.3790



35.1640, -30.1210, -10.2890

Previews

White Background



This preview shows how the YIQ color 90.2620, 117.7790, 40.6190 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 90.2620, 117.7790, 40.6190 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 90.2620, 117.7790, 40.6190

Background



This preview shows how black text looks on a background with the YIQ color 90.2620, 117.7790, 40.6190.



This preview shows how white text looks on a background with the YIQ color 90.2620, 117.7790,

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

90.2620, 117.7790, 40.6190

Protanopia

113.9070, 30.2180, -19.0140

Deuteranopia

109.4090, 57.6830, -26.6770



Tritanopia

90.1480, 118.1000, 40.3080

Trichromacy



Original Color

90.2620, 117.7790, 40.6190

Protanomaly

105.3770, 61.8500, 2.4420

Deuteranomaly

102.3110, 79.4110, -1.9410

Tritanomaly

90.1480, 118.1000, 40.3080

Monochromacy



Original Color

90.2620, 117.7790, 40.6190

Achromatopsia

90.0000, -0.0000, -0.0000

Achromatomaly

90.1150, 42.6370, 14.7410

CSS Examples

Text

The CSS property to change the color of the text to YIQ 90.2620, 117.7790, 40.6190 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(228, 32, 29)` looks like.

```
.text, #text, p{  
    color:rgb(228, 32, 29)  
}
```

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(228, 32, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 32, 29) }
```

Border

The CSS property to change the border of an element to YIQ 90.2620, 117.7790, 40.6190 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(228, 32, 29) }
```


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

```
.border{ border-color:rgb(228, 32, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 32, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 32, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 32, 29);  
box-shadow:4px 4px 4px 4px rgb(228, 32,  
29) }
```

Background

The CSS property to change the background color of an element to YIQ 90.2620, 117.7790, 40.6190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 32, 29) }
```

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

```
.background{ background-color: rgb(228, 32,  
29) }
```

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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