

Converting Colors

YIQ(102.8020, 90.4960, 56.0000)

Have a look what the booklet for
YIQ(102.8020, 90.4960, 56.0000)
contains.

YIQ(102.8020, 90.4960, 56.0000)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(102.8020, 90.4960,
56.0000)**

Conversions

Conversions Part 1

Format	Color
Hex	E02A62
RGB	224, 42, 98
RGB Percent	88%, 16%, 38%
CMY	0.1211, 0.8355, 0.6154
CMYK	0.00, 0.81, 0.56, 0.12
HSL	342°, 75%, 52%
HSV	342°, 81%, 88%
XYZ	33.8111, 18.4002, 13.3448
YIQ	102.8020, 90.4960, 56.0000

Conversions

Conversions Part 2

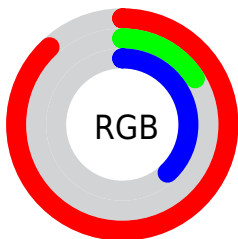
Format	Color
R_{YB}	224, 42, 98
Decimal	14690914
CIE _{Lab}	49.98, 69.89, 14.41
CIE _{LCh}	50, 71.360, 11.650
Yxy	18.4002, 0.5158, 0.2807
Android (android.graphics.Color)	4292880994 (0xFFE02A62)
YUV	102.8020, -2.3674, 106.2906
Hunter-Lab	42.8955, 65.6303, 11.5818

Details

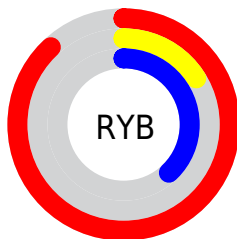
The YIQ color **102.8020, 90.4960, 56.0000** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed rose. A complement of this color would be **163.1980, -90.4960, -56.0000**, and the grayscale version is **103.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **155.9260, 75.0470, 44.1270**, and **54.3660, 79.8600, 50.5160** is the 20% darker color. If you saturate the color by 10%, you get **88.1780, 101.3610, 62.8410**, and if you desaturate by 10%, it is **117.5400, 79.3100, 49.4700**.

Distribution



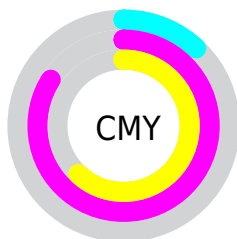
- Red (88%)
- Green (16%)
- Blue (38%)



- Red (88%)
- Yellow (16%)
- Blue (38%)



- Cyan (0%)
- Magenta (81%)
- Yellow (56%)
- Black (12%)





- Cyan (12%)
- Magenta (84%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 102.8020, 90.4960, 56.0000 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 102.8020, 90.4960, 56.0000 by changing the saturation by 10% instead.


 102.8020, 90.4960,
56.0000


 102.8020, 90.4960,
56.0000


255.0000, -0.0000,
-0.0000


 66.2570, 90.9530,
64.2410


 155.9260, 75.0470,
44.1270


 54.3660, 79.8600,
50.5160


 176.6140, 58.1300,
36.8340

 42.8170, 67.8040,
37.7240


 196.7150, 41.4880,
30.0640

 31.1110, 57.6280,
23.9000

 216.9300, 24.5250,
23.6050

 22.2830, 42.2240,
16.7200

 237.3900, 8.2500,
15.6900

 12.0740, 23.5190,
8.7910

 0.0000, 0.0000,

0.0000

■ 102.8020, 90.4960,
56.0000

■ 102.8020, 90.4960,
56.0000

■ 88.1780, 101.3610,
62.8410

■ 117.5400, 79.3100,
49.4700

■ 74.8420, 111.3550,
68.9470


■ 132.7510, 68.1700,
42.1060


■ 147.4890, 56.9840,
35.5760

■ 162.7000, 45.8440,
28.2120

■ 177.4380, 34.6580,
21.6820

■ 192.0620, 23.7930,
14.8410

 207.3870, 12.3320,
7.7880

 222.0110, 1.4670,
0.9470

 237.3360, -9.9940,
-6.1060

Harmonies

Analogous

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



112.3040, 57.2080, 64.5680



102.8020, 90.4960, 56.0000



109.0270, 92.7950, 19.8270

Triad

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



102.8020, 90.4960, 56.0000



94.7710, -9.0670, -61.4750



106.6220, -112.8350, 1.9570

Complementary

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



102.8020, 90.4960, 56.0000



163.1980, -90.4960, -56.0000

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.



107.2140, -103.4790, -13.4230



102.8020, 90.4960, 56.0000



92.8330, -64.3630, -50.5310

Square

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



102.8020, 90.4960, 56.0000



109.2660, 38.6120, -38.9880



101.3030, -85.4570, -31.6730



97.0990, -109.4440, 12.0920

Rectangle

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



102.8020, 90.4960, 56.0000



110.8030, 86.4730, -8.7830



101.3030, -85.4570, -31.6730



107.9440, -111.0460, -2.9340

Sweetspot

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



102.8020, 90.4960, 56.0000



214.4050, 30.2570, 18.8410



99.8240, 15.4820, 82.8900



103.3170, 18.5210, 11.2650



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.



102.8020, 90.4960, 56.0000



88.5280, 124.2830, 76.9470



115.7890, 99.3970, 21.3250



104.6310, 5.5930, 3.2650



58.7800, 87.5620, 54.1060



16.0620, 23.7930, 14.8410

Inverse Universe

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



102.8020, 90.4960, 56.0000



88.5280, 124.2830, 76.9470



150.2110, -99.3970, -21.3250



104.6310, 5.5930, 3.2650



58.7800, 87.5620, 54.1060



16.0620, 23.7930, 14.8410

Previews

White Background



This preview shows how the YIQ color 102.8020, 90.4960, 56.0000 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 102.8020, 90.4960, 56.0000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

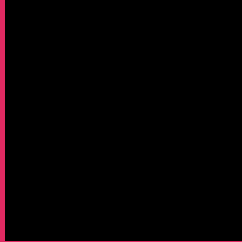
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 102.8020, 90.4960, 56.0000

Background



This preview shows how black text looks on a background with the YIQ color 102.8020, 90.4960, 56.0000.



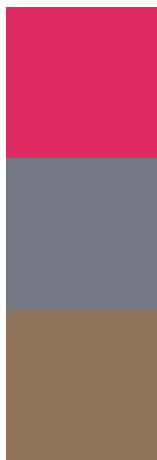
This preview shows how white text looks on a background with the YIQ color 102.8020, 90.4960,

56.0000.

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

102.8020, 90.4960, 56.0000

Protanopia

120.2260, -6.3280, 4.5520

Deuteranopia

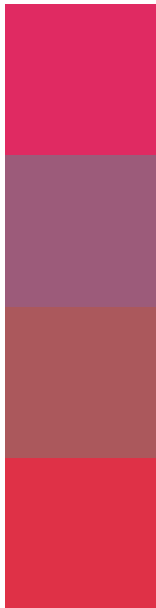
119.8100, 23.8420, -2.5740



Tritanopia

103.7590, 100.0820, 36.4500

Trichromacy



Original Color

102.8020, 90.4960, 56.0000

Protanomaly

113.9690, 28.7890, 23.4210

Deuteranomaly

113.2730, 48.1840, 18.8400

Tritanomaly

103.5340, 96.6420, 43.7300

Monochromacy



Original Color

102.8020, 90.4960, 56.0000

Achromatopsia

103.0000, -0.0000, 0.0000

Achromatomaly

103.0140, 32.9160, 20.2120

CSS Examples

Text

The CSS property to change the color of the text to YIQ 102.8020, 90.4960, 56.0000 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(224, 42, 98)` looks like.

```
.text, #text, p{  
    color:rgb(224, 42, 98)  
}
```

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(224, 42, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 42, 98) }
```

Border

The CSS property to change the border of an element to YIQ 102.8020, 90.4960, 56.0000 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(224, 42, 98) }
```


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

```
.border{ border-color:rgb(224, 42, 98) }
```

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

Here you see how a box with a 4 pixel rgb(224, 42, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 42, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 42, 98);  
box-shadow:4px 4px 4px 4px rgb(224, 42,  
98) }
```

Background

The CSS property to change the background color of an element to YIQ 102.8020, 90.4960, 56.0000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 42, 98) }
```

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

```
.background{ background-color: rgb(224, 42,  
98) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor