

Converting Colors

YIQ(85.3200, 52.2520, 88.3160)

Have a look what the booklet for
YIQ(85.3200, 52.2520, 88.3160)
contains.

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Color

**YIQ(85.3200, 52.2520,
88.3160)**

Conversions

Conversions Part 1

Format	Color
Hex	BE0EB2
RGB	190, 14, 178
RGB Percent	75%, 5%, 70%
CMY	0.2544, 0.9453, 0.3019
CMYK	0.00, 0.93, 0.06, 0.25
HSL	304°, 86%, 40%
HSV	304°, 93%, 75%
XYZ	29.4624, 14.4915, 43.3746
YIQ	85.3200, 52.2520, 88.3160

Conversions

Conversions Part 2

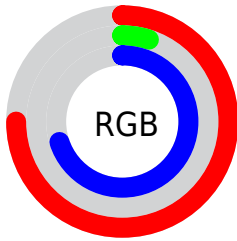
Format	Color
R _{YB}	190, 14, 178
Decimal	12455602
CIE _{Lab}	44.93, 75.76, -42.11
CIE _{LCh}	45, 86.674, 330.934
Yxy	14.4915, 0.3374, 0.1659
Android (android.graphics.Color)	4290645682 (0xFFBE0EB2)
YUV	85.3200, 45.6912, 91.8044
Hunter-Lab	38.0678, 71.5308, -40.9079

Details

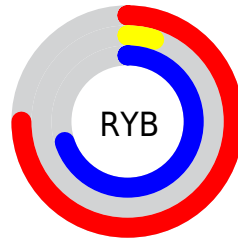
The YIQ color **85.3200, 52.2520, 88.3160** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **118.6800, -52.2520, -88.3160**, and the grayscale version is **85.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **155.4300, 48.5860, 77.6580**, and **53.7180, 38.5470, 66.8590** is the 20% darker color. If you saturate the color by 10%, you get **76.9880, 56.4230, 95.3270**, and if you desaturate by 10%, it is **96.5870, 46.7060, 78.6900**.

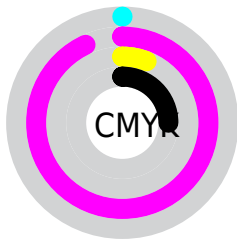
Distribution



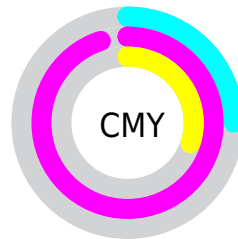
- Red (75%)
- Green (5%)
- Blue (70%)



- Red (75%)
- Yellow (5%)
- Blue (70%)



- Cyan (0%)
- Magenta (93%)
- Yellow (6%)
- Black (25%)





- Cyan (25%)
- Magenta (95%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 85.3200, 52.2520, 88.3160 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 85.3200, 52.2520, 88.3160 by changing the saturation by 10% instead.


 85.3200, 52.2520,
88.3160


 85.3200, 52.2520,
88.3160


255.0000, -0.0000,
-0.0000


 65.3530, 47.4850,
81.0930


 155.4300, 48.5860,
77.6580


 53.7180, 38.5470,
66.8590


 176.9290, 36.5750,
69.5590


 42.3820, 30.2050,
52.8370


 193.9520, 28.6000,
54.3920

 31.2740, 21.2210,
39.4370

 211.5620, 20.3500,
38.7020

 20.4650, 12.8330,
26.2490

 228.5850, 12.3750,
23.5350

 5.9970, -3.9450,
10.9270

 246.1950, 4.1250,

 0.0000, 0.0000,

7.8450

0.0000

■ 85.3200, 52.2520,
88.3160

■ 85.3200, 52.2520,
88.3160

■ 76.9880, 56.4230,
95.3270

■ 96.5870, 46.7060,
78.6900

■ 107.9680, 40.8390,
69.3750

■ 119.2350, 35.2930,
59.7490

■ 130.5020, 29.7470,
50.1230

■ 141.8830, 23.8800,
40.8080

■ 153.1500, 18.3340,
31.1820

■ 164.4170, 12.7880,
21.5560

■ 175.6840, 7.2420,
11.9300

■ 187.0650, 1.3750,
2.6150

Harmonies

Analogous

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



103.0680, -45.1240, 46.8760



85.3200, 52.2520, 88.3160



79.5870, 99.4320, 81.2880

Triad

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



85.3200, 52.2520, 88.3160



99.9070, 47.4130, -27.7790



99.7650, -94.9050, -14.6250

Complementary

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



85.3200, 52.2520, 88.3160



118.6800, -52.2520, -88.3160

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.



90.8560, -71.1970, -36.8050



85.3200, 52.2520, 88.3160



86.5640, -3.7500, -53.2060

Square

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



85.3200, 52.2520, 88.3160



96.3940, 89.5430, 1.6630



79.6330, -43.7290, -61.0490



103.5730, -111.1390, 4.2610

Rectangle

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



85.3200, 52.2520, 88.3160



73.9300, 113.9230, 66.4590



79.6330, -43.7290, -61.0490



97.1430, -87.5220, -21.7780

Sweetspot

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



85.3200, 52.2520, 88.3160



206.0410, 20.2590, 34.8430



37.6520, -49.3440, 57.2800



99.4170, 12.7880, 21.5560



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000

Same Dimension

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



85.3200, 52.2520, 88.3160



100.0730, 73.3820, 123.8940



75.2880, 80.5000, 60.9480



88.7170, 2.4750, 4.7070



64.0000, 46.9810, 79.2130



12.4610, 9.4880, 15.2800

Inverse Universe

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



85.3200, 52.2520, 88.3160



100.0730, 73.3820, 123.8940



128.7120, -80.5000, -60.9480



88.7170, 2.4750, 4.7070



64.0000, 46.9810, 79.2130



12.4610, 9.4880, 15.2800

Previews

White Background



This preview shows how the YIQ color 85.3200, 52.2520, 88.3160 looks on a white background.

Color Contrast Check

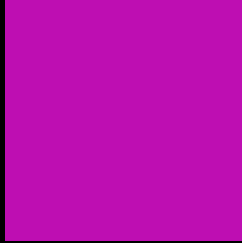
Large Text (above 18pt) WCAG AA ✓ Pass

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 85.3200, 52.2520, 88.3160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

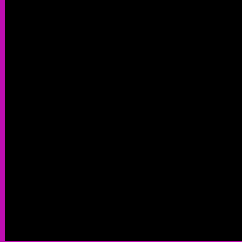
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 85.3200, 52.2520, 88.3160

Background



This preview shows how black text looks on a background with the YIQ color 85.3200, 52.2520, 88.3160.



This preview shows how white text looks on a background with the YIQ color 85.3200, 52.2520,

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

85.3200, 52.2520, 88.3160

Protanopia

86.1280, -99.2200, 14.0280

Deuteranopia

105.4570, -37.4150, 11.7770



Tritanopia

104.0470, 63.6800, 24.3520

Trichromacy



Original Color

85.3200, 52.2520, 88.3160



Protanomaly

85.6780, -44.2060, 41.2500



Deuteranomaly

98.2140, -4.9130, 39.4950



Tritanomaly

97.1340, 59.9620, 47.6900

Monochromacy



Original Color

85.3200, 52.2520, 88.3160



Achromatopsia

85.0000, -0.0000, 0.0000



Achromatomaly

84.9760, 18.8840, 32.2280

CSS Examples

Text

The CSS property to change the color of the text to YIQ 85.3200, 52.2520, 88.3160 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(190, 14, 178)` looks like.

```
.text, #text, p{  
    color:rgb(190, 14, 178)  
}
```

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(190, 14, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 14, 178) }
```

Border

The CSS property to change the border of an element to YIQ 85.3200, 52.2520, 88.3160 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(190, 14, 178) }
```


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

```
.border{ border-color:rgb(190, 14, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 14, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 14, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 14, 178);  
box-shadow:4px 4px 4px 4px rgb(190, 14,  
178) }
```

Background

The CSS property to change the background color of an element to YIQ 85.3200, 52.2520, 88.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 14, 178) }
```

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

```
.background{ background-color: rgb(190, 14,  
178) }
```

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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