

Converting Colors

YIQ(85.6470, -61.2570, 14.3510)

Have a look what the booklet for
YIQ(85.6470, -61.2570, 14.3510)
contains.

YIQ(85.6470, -61.2570, 14.3510)	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(85.6470, -61.2570,
14.3510)**

Conversions

Conversions Part 1

Format	Color
Hex	245DB2
RGB	36, 93, 178
RGB Percent	14%, 36%, 70%
CMY	0.8589, 0.6352, 0.3023
CMYK	0.80, 0.48, 0.00, 0.30
HSL	216°, 66%, 42%
HSV	216°, 80%, 70%
XYZ	12.6713, 11.4188, 43.6142
YIQ	85.6470, -61.2570, 14.3510

Conversions

Conversions Part 2

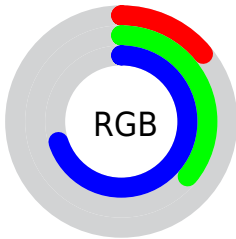
Format	Color
R_{YB}	36, 77, 178
Decimal	2383282
CIE _{Lab}	40.28, 12.85, -50.40
CIE _{LCh}	40, 52.013, 284.305
Yxy	11.4188, 0.1872, 0.1687
Android (android.graphics.Color)	4280573362 (0xFF245DB2)
YUV	85.6470, 45.5300, -43.5404
Hunter-Lab	33.7918, 7.7985, -52.8700

Details

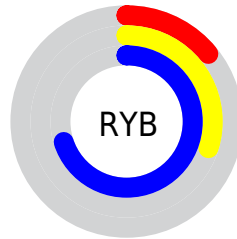
The YIQ color **85.6470, -61.2570, 14.3510** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **128.3530, 61.2570, -14.3510**, and the grayscale version is **85.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **141.4140, -53.0510, 19.8210**, and **42.4260, -53.3250, 13.7710** is the 20% darker color. If you saturate the color by 10%, you get **73.8080, -68.9600, 16.2880**, and if you desaturate by 10%, it is **97.4860, -53.5540, 12.4140**.

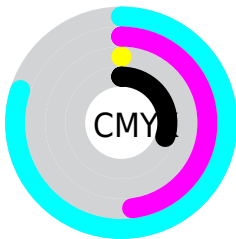
Distribution



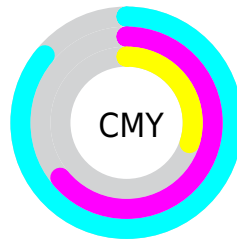
- Red (14%)
- Green (36%)
- Blue (70%)



- Red (14%)
- Yellow (30%)
- Blue (70%)



- Cyan (80%)
- Magenta (48%)
- Yellow (0%)
- Black (30%)



- Cyan (86%)
- Magenta (64%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 85.6470, -61.2570, 14.3510 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 85.6470, -61.2570, 14.3510 by changing the saturation by 10% instead.

■ 85.6470, -61.2570,
14.3510

■ 85.6470, -61.2570,
14.3510

■ 255.0000, -0.0000,
-0.0000

■ 58.3040, -67.7210,
10.3510

■ 141.4140,
-53.0510, 19.8210

■ 42.3120, -53.0040,
13.4600

■ 168.0400,
-49.0620, 19.1140

■ 28.3090, -39.7540,
15.6220

■ 192.5600,
-39.2030, 11.1410

■ 8.5500, -24.0750,
23.3250

■ 217.9660,
-29.0230, 2.8570

■ 8.1620, -17.4710,
13.7690

■ 243.3720,
-18.8430, -5.4270

■ 4.4800, -9.8590,
7.9730

■ 254.1030, -1.7880,

■ 0.0000, 0.0000,

-0.6360

0.0000

■ 85.6470, -61.2570,
14.3510

■ 85.6470, -61.2570,
14.3510

■ 73.8080, -68.9600,
16.2880

■ 97.4860, -53.5540,
12.4140

■ 62.5560, -76.9380,
17.7020

■ 108.7380,
-45.5760, 11.0000

■ 61.9690, -76.6630,
18.2250

■ 120.2780,
-38.4690, 8.8510

■ 132.1170,
-30.7660, 6.9140

■ 143.3690,
-22.7880, 5.5000

■ 155.2080,
-15.0850, 3.5630

■ 167.0470, -7.3820,
1.6260

■ 178.0000, -0.0000,
-0.0000

■ 189.8390, 7.7030,
-1.9370

Harmonies

Analogous

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



82.4000, -85.9670, -0.3910



85.6470, -61.2570, 14.3510



97.7000, 2.2860, 35.6780

Triad

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



85.6470, -61.2570, 14.3510



90.5010, 64.7370, 10.6970



74.3110, -53.5450, -37.3290

Complementary

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



85.6470, -61.2570, 14.3510



128.3530, 61.2570, -14.3510

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.



79.9290, -11.5470, -38.5470



85.6470, -61.2570, 14.3510



89.6620, 55.8930, -16.2590

Square

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



85.6470, -61.2570, 14.3510



88.8440, 63.1740, 33.5260



86.8170, 29.9910, -31.4250



80.0280, -68.2650, -23.8570

Rectangle

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



85.6470, -61.2570, 14.3510



95.2320, 30.2070, 41.7830



86.8170, 29.9910, -31.4250



72.1280, -48.7760, -41.1600

Sweetspot

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



85.6470, -61.2570, 14.3510



195.8850, -24.3010, 5.3870



128.8160, -65.6930, -48.4530



95.0940, -14.7640, 3.2520



245.0000, -0.0000, 0.0000



117.0000, -0.0000, 0.0000

Same Dimension

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



85.6470, -61.2570, 14.3510



87.2520, -96.3330, 22.2830



55.7760, -38.4300, 46.7060



83.3740, -3.9890, 0.7070



53.2490, -65.8880, 15.6800



8.8340, -11.0960, 2.8560

Inverse Universe

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



84.9560, 66.3350, 47.8310



85.9370, 104.0180, 75.2660



158.2240, 38.4300, -46.7060



83.1470, 4.0800, 3.1520



52.7010, 71.6070, 51.4070



8.9140, 12.2860, 8.6220

Previews

White Background



This preview shows how the YIQ color 85.6470, -61.2570, 14.3510 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 85.6470, -61.2570, 14.3510 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 85.6470, -61.2570, 14.3510

Background



This preview shows how black text looks on a background with the YIQ color 85.6470, -61.2570, 14.3510.



This preview shows how white text looks on a background with the YIQ color 85.6470, -61.2570,

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

85.6470, -61.2570, 14.3510

Protanopia

89.0180, -51.9960, 17.2200

Deuteranopia

75.6180, -80.6490, 2.3510



Tritanopia

74.4030, -64.8270, -20.0830

Trichromacy



Original Color

85.6470, -61.2570, 14.3510

Protanomaly

87.6370, -55.2970, 16.4710

Deuteranomaly

79.2600, -73.5890, 6.5630

Tritanomaly

78.6780, -63.6830, -7.7710

Monochromacy



Original Color

85.6470, -61.2570, 14.3510

Achromatopsia

86.0000, -0.0000, -0.0000

Achromatomaly

86.1410, -22.1460, 4.8780

CSS Examples

Text

The CSS property to change the color of the text to YIQ 85.6470, -61.2570, 14.3510 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(36, 93, 178)` looks like.

```
.text, #text, p{  
    color:rgb(36, 93, 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(36, 93, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 93, 178) }
```

Border

The CSS property to change the border of an element to YIQ 85.6470, -61.2570, 14.3510 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(36, 93, 178) }
```


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

```
.border{ border-color:rgb(36, 93, 178) }
```

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

Here you see how a box with a 4 pixel rgb(36, 93, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 93, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 93, 178);  
box-shadow:4px 4px 4px 4px rgb(36, 93,  
178) }
```

Background

The CSS property to change the background color of an element to YIQ 85.6470, -61.2570, 14.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 93, 178) }
```

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

```
.background{ background-color: rgb(36, 93,  
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](#).

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