

Converting Colors

YIQ(65.7570, -54.6140, 42.6500)

Have a look what the booklet for
YIQ(65.7570, -54.6140, 42.6500)
contains.

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Color

**YIQ(65.7570, -54.6140,
42.6500)**

Conversions

Conversions Part 1

Format	Color
Hex	2835C7
RGB	40, 53, 199
RGB Percent	16%, 21%, 78%
CMY	0.8430, 0.7921, 0.2199
CMYK	0.80, 0.73, 0.00, 0.22
HSL	235°, 67%, 47%
HSV	235°, 80%, 78%
XYZ	12.4481, 7.1178, 54.6994
YIQ	65.7570, -54.6140, 42.6500

Conversions

Conversions Part 2

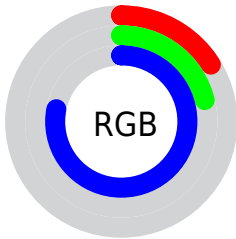
Format	Color
R_{YB}	40, 52, 199
Decimal	2635207
CIE _{Lab}	32.07, 46.70, -76.10
CIE _{LCh}	32, 89.293, 301.536
Yxy	7.1178, 0.1676, 0.0958
Android (android.graphics.Color)	4280825287 (0xFF2835C7)
YUV	65.7570, 65.6888, -22.5889
Hunter-Lab	26.6792, 36.5967, -102.8850

Details

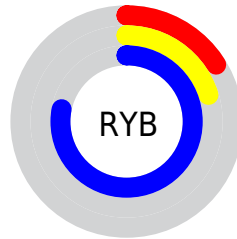
The YIQ color **65.7570, -54.6140, 42.6500** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **173.2430, 54.6140, -42.6500**, and the grayscale version is **65.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **122.4430, -41.6860, 50.6500**, and **21.6990, -48.6990, 40.0770** is the 20% darker color. If you saturate the color by 10%, you get **49.2110, -61.5840, 47.8240**, and if you desaturate by 10%, it is **82.3030, -47.6440, 37.4760**.

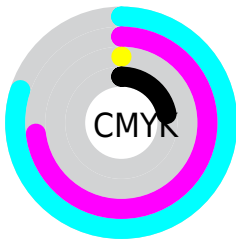
Distribution



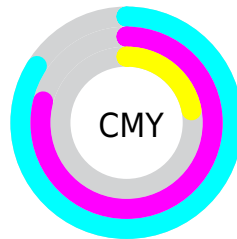
- Red (16%)
- Green (21%)
- Blue (78%)



- Red (16%)
- Yellow (20%)
- Blue (78%)



- Cyan (80%)
- Magenta (73%)
- Yellow (0%)
- Black (22%)



- Cyan (84%)
- Magenta (79%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 65.7570, -54.6140, 42.6500 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 65.7570, -54.6140, 42.6500 by changing the saturation by 10% instead.

■ 65.7570, -54.6140,
42.6500

■ 65.7570, -54.6140,
42.6500

■ 255.0000, -0.0000,
-0.0000

■ 37.6910, -63.4160,
36.9680

■ 122.4430,
-41.6860, 50.6500

■ 21.5850, -48.3780,
39.7660

■ 146.3870,
-30.0850, 44.1470

■ 13.3380, -37.5570,
36.3870

■ 171.5050,
-19.0340, 36.5980

■ 12.7220, -30.3110,
26.2090

■ 196.3240, -8.5790,
28.8370

■ 11.7470, -23.4320,
17.1760

■ 221.4420, 2.4720,
21.2880

■ 6.6630, -14.6280,
11.8040

■ 243.8470, 5.2250,

■ 3.0950, -7.3370,

9.9370

6.3190

■ 0.0000, 0.0000,
0.0000

■ 65.7570, -54.6140,
42.6500

■ 65.7570, -54.6140,
42.6500

■ 49.2110, -61.5840,
47.8240

■ 82.3030, -47.6440,
37.4760

■ 32.0780, -68.2790,
53.5210

■ 99.4360, -40.9490,
31.7790

■ 115.9820,
-33.9790, 26.6050

■ 132.5280,
-27.0090, 21.4310

■ 148.7750,
-20.6350, 16.0450

■ 165.9080,
-13.9400, 10.3480

■ 182.4540, -6.9700,
5.1740

■ 199.0000, -0.0000,
0.0000

■ 215.5460, 6.9700,
-5.1740

Harmonies

Analogous

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



76.2630, -94.8660, 23.2300



65.7570, -54.6140, 42.6500



63.0600, 46.7520, 77.8560

Triad

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



65.7570, -54.6140, 42.6500



64.4760, 75.0530, 10.9650



67.0050, -52.2630, -27.5190

Complementary

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



65.7570, -54.6140, 42.6500



173.2430, 54.6140, -42.6500

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.



56.3520, -26.4000, -50.2080



65.7570, -54.6140, 42.6500



70.9350, 33.0150, -20.1450

Square

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



65.7570, -54.6140, 42.6500



53.7920, 104.4830, 39.2910



52.8300, -24.7500, -47.0700



76.2730, -75.6040, -6.4840

Rectangle

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



65.7570, -54.6140, 42.6500



65.7040, 76.6930, 69.3730



52.8300, -24.7500, -47.0700



63.5680, -43.9630, -34.7710

Sweetspot

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



65.7570, -54.6140, 42.6500



203.8890, -20.9560, 16.3560



149.9770, -90.5910, -37.7510



96.9790, -12.7020, 9.9380



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.



65.7570, -54.6140, 42.6500



49.6700, -84.1450, 65.7350



77.8600, -11.7030, 63.4410



91.0260, -2.8890, 2.7990



26.2130, -55.8980, 43.8940



5.8650, -12.3810, 9.6270

Inverse Universe

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



89.0230, 90.5910, 37.7510



85.5350, 139.6000, 58.1600



161.1400, 11.7030, -63.4410



92.6910, 5.3640, 1.9080



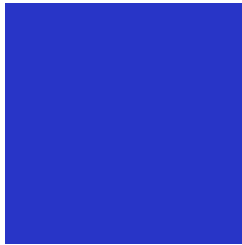
50.2190, 92.9750, 38.5990



11.1060, 20.4930, 8.5650

Previews

White Background



This preview shows how the YIQ color 65.7570, -54.6140, 42.6500 looks on a white background.

Color Contrast Check

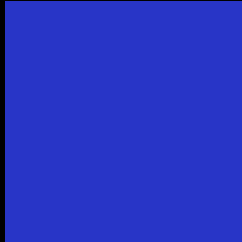
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the YIQ color 65.7570, -54.6140, 42.6500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

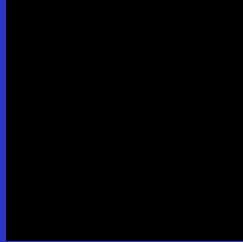
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 65.7570, -54.6140, 42.6500

Background



This preview shows how black text looks on a background with the YIQ color 65.7570, -54.6140, 42.6500.



This preview shows how white text looks on a background with the YIQ color 65.7570, -54.6140,

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

65.7570, -54.6140, 42.6500

Protanopia

59.7060, -68.9130, 9.9270

Deuteranopia

60.0190, -62.9050, 0.1590



Tritanopia

58.7530, -51.0730, -16.0410

Trichromacy



Original Color

65.7570, -54.6140, 42.6500

Protanomaly

62.0200, -63.5050, 22.0550

Deuteranomaly

62.0710, -59.5150, 15.8210

Tritanomaly

61.3410, -51.9480, 5.3320

Monochromacy



Original Color

65.7570, -54.6140, 42.6500

Achromatopsia

66.0000, -0.0000, -0.0000

Achromatomaly

65.8460, -19.3970, 15.6350

CSS Examples

Text

The CSS property to change the color of the text to YIQ 65.7570, -54.6140, 42.6500 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(40, 53, 199)` looks like.

```
.text, #text, p{  
    color:rgb(40, 53, 199)  
}
```

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(40, 53, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 53, 199) }
```

Border

The CSS property to change the border of an element to YIQ 65.7570, -54.6140, 42.6500 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(40, 53, 199) }
```


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

```
.border{ border-color:rgb(40, 53, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 53, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 53, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 53, 199);  
box-shadow:4px 4px 4px 4px rgb(40, 53,  
199) }
```

Background

The CSS property to change the background color of an element to YIQ 65.7570, -54.6140, 42.6500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 53, 199) }
```

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

```
.background{ background-color: rgb(40, 53,  
199) }
```

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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