

Converting Colors

YIQ(117.0090, -42.0320,
-64.2720)

Have a look what the booklet for
YIQ(117.0090, -42.0320, -64.2720)
contains.

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Color

**YIQ(117.0090, -42.0320,
-64.2720)**

Conversions

Conversions Part 1

Format	Color
Hex	25AA36
RGB	37, 170, 54
RGB Percent	15%, 67%, 21%
CMY	0.8553, 0.3331, 0.7883
CMYK	0.78, 0.00, 0.68, 0.33
HSL	128°, 64%, 41%
HSV	128°, 78%, 67%
XYZ	15.8099, 29.4279, 8.3345
YIQ	117.0090, -42.0320, -64.2720

Conversions

Conversions Part 2

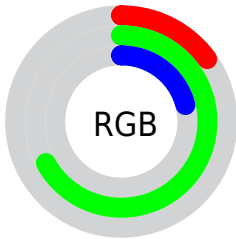
Format	Color
RYB	37, 155, 170
Decimal	2468406
CIELab	61.16, -57.60, 48.11
CIElCh	61, 75.046, 140.127
Yxy	29.4279, 0.2951, 0.5493
Android (android.graphics.Color)	4280658486 (0xFF25AA36)
YUV	117.0090, -31.0634, -70.1679
Hunter-Lab	54.2475, -42.9110, 28.8640

Details

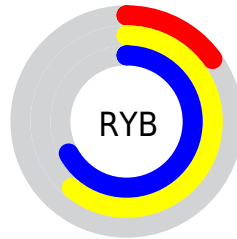
The YIQ color **117.0090, -42.0320, -64.2720** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **89.9910, 42.0320, 64.2720**, and the grayscale version is **117.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **176.1410, -33.5960, -62.9720**, and **68.0920, -31.9000, -60.6680** is the 20% darker color. If you saturate the color by 10%, you get **110.2160, -47.3490, -72.5410**, and if you desaturate by 10%, it is **123.8020, -36.7150, -56.0030**.

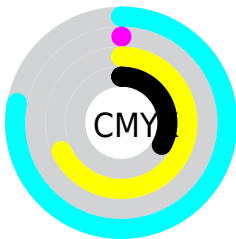
Distribution



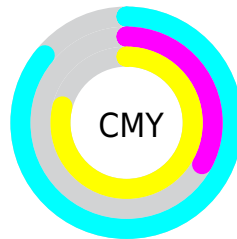
- Red (15%)
- Green (67%)
- Blue (21%)



- Red (15%)
- Yellow (61%)
- Blue (67%)



- Cyan (78%)
- Magenta (0%)
- Yellow (68%)
- Black (33%)





- Cyan (86%)
- Magenta (33%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 117.0090, -42.0320, -64.2720 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 117.0090, -42.0320, -64.2720 by changing the saturation by 10% instead.


 117.0090,
-42.0320, -64.2720


 117.0090,
-42.0320, -64.2720


 255.0000, -0.0000,
-0.0000

 86.9050, -47.6710,
-66.7030


 176.7280,
-33.8710, -63.4950


 68.0920, -31.9000,
-60.6680


 205.2120,
-32.3580, -63.3820


 52.8300, -24.7500,
-47.0700


 217.2600,
-23.1450, -48.6250

 38.7420, -18.1500,
-34.5180

 229.4220,
-14.2530, -33.5570

 25.2410, -11.8250,
-22.4890

 241.2850, -5.9570,
-18.7010

 4.6960, -2.2000,
-4.1840

 253.8600, 3.2100,

 0.0000, 0.0000,

-3.1100

0.0000

■ 117.0090,
-42.0320, -64.2720

■ 117.0090,
-42.0320, -64.2720

■ 110.2160,
-47.3490, -72.5410

■ 123.8020,
-36.7150, -56.0030

■ 103.4230,
-52.6660, -80.8100

■ 130.5950,
-31.3980, -47.7340

■ 102.2980,
-53.8120, -82.0680

■ 137.2740,
-25.7600, -39.7760

■ 144.0670,
-20.4430, -31.5070

■ 150.8600,
-15.1260, -23.2380

■ 157.6530, -9.8090,
-14.9690

■ 164.4460, -4.4920,
-6.7000

■ 171.2390, 0.8250,
1.5690

■ 177.9180, 6.4630,
9.5270

Harmonies

Analogous

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



133.1110, 37.0100, -54.0140



117.0090, -42.0320, -64.2720



117.3340, -87.8830, -53.7950

Triad

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



117.0090, -42.0320, -64.2720



124.1640, -126.4050, -5.4210



134.1150, 96.5040, 46.2320

Complementary

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



117.0090, -42.0320, -64.2720



89.9910, 42.0320, 64.2720

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.



140.7530, 74.9970, 67.0690



117.0090, -42.0320, -64.2720



139.0570, -64.9270, 25.8010

Square

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



117.0090, -42.0320, -64.2720



130.5240, -127.7790, -13.5630



150.7800, 17.6410, 60.2730



139.8840, 100.0870, 8.8150

Rectangle

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



117.0090, -42.0320, -64.2720



123.1650, -102.9240, -40.0120



150.7800, 17.6410, 60.2730



133.6880, 90.8170, 55.6890

Sweetspot

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



117.0090, -42.0320, -64.2720



201.6210, -15.9510, -24.8070



150.3530, 33.7530, -44.5430



99.6530, -9.8090, -14.9690



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000

Same Dimension

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



117.0090, -42.0320, -64.2720



138.7610, -66.1420, -100.9100



124.4190, -62.8970, -44.0570



80.8100, -2.5210, -3.8730



89.0420, -46.7990, -71.4950



12.0820, -6.4630, -9.5270

Inverse Universe

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



89.9910, 42.0320, 64.2720



96.2390, 66.1420, 100.9100



82.5810, 62.8970, 44.0570



79.1900, 2.5210, 3.8730



58.9580, 46.7990, 71.4950



8.0320, 6.1420, 9.8380

Previews

White Background



This preview shows how the YIQ color 117.0090, -42.0320, -64.2720 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 117.0090, -42.0320, -64.2720 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 117.0090, -42.0320, -64.2720 Background



This preview shows how black text looks on a background with the YIQ color 117.0090, -42.0320, -64.2720.



This preview shows how white text looks on a background with the YIQ color 117.0090, -42.0320, -64.2720.

-64.2720.

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

117.0090, -42.0320, -64.2720

Protanopia

140.7970, 41.9110, -27.1850

Deuteranopia

143.0080, 49.1070, -14.4210



Tritanopia

135.9640, -53.0450, -13.3410

Trichromacy



Original Color

117.0090, -42.0320, -64.2720



Protanomaly

131.9670, 11.6530, -40.4990



Deuteranomaly

133.4610, 16.3740, -32.4420



Tritanomaly

128.9250, -49.2820, -31.9860

Monochromacy



Original Color

117.0090, -42.0320, -64.2720



Achromatopsia

117.0000, -0.0000, 0.0000



Achromatomaly

116.8600, -15.1260, -23.2380

CSS Examples

Text

The CSS property to change the color of the text to YIQ 117.0090, -42.0320, -64.2720 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(37, 170, 54)` looks like.

```
.text, #text, p{  
    color:rgb(37, 170, 54)  
}
```

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(37, 170, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 170, 54) }
```

Border

The CSS property to change the border of an element to YIQ 117.0090, -42.0320, -64.2720 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(37, 170, 54) }
```


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

```
.border{ border-color:rgb(37, 170, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 170, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 170, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 170, 54);  
box-shadow:4px 4px 4px 4px rgb(37, 170,  
54) }
```

Background

The CSS property to change the background color of an element to YIQ 117.0090, -42.0320, -64.2720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 170, 54) }
```

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

```
.background{ background-color: rgb(37, 170,  
54) }
```

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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