

# Converting Colors

YIQ(64.6900, -45.6210, 6.3070)

Have a look what the booklet for  
YIQ(64.6900, -45.6210, 6.3070)  
contains.

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# Color

**YIQ(64.6900, -45.6210,  
6.3070)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	19497E
RGB	25, 73, 126
RGB Percent	10%, 29%, 49%
CMY	0.9020, 0.7136, 0.5061
CMYK	0.80, 0.42, 0.00, 0.51
HSL	211°, 67%, 30%
HSV	211°, 80%, 49%
XYZ	6.5465, 6.4791, 20.6251
YIQ	64.6900, -45.6210, 6.3070

# Conversions

## Conversions Part 2

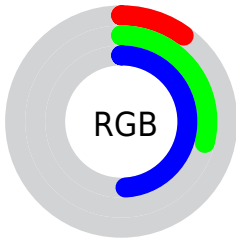
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	25, 58, 126
Decimal	1657214
CIE <sub>Lab</sub>	30.59, 4.14, -34.53
CIE <sub>LCh</sub>	31, 34.780, 276.829
Yxy	6.4791, 0.1945, 0.1925
Android (android.graphics.Color)	4279847294 (0xFF19497E)
YUV	64.6900, 30.2258, -34.8081
Hunter-Lab	25.4540, 1.3639, -30.2241

# Details

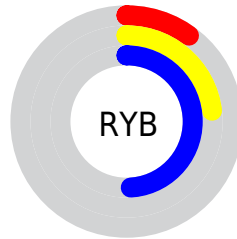
The YIQ color **64.6900, -45.6210, 6.3070** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **86.3100, 45.6210, -6.3070**, and the grayscale version is **64.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **116.8480, -40.0740, 10.4060**, and **26.2740, -32.6460, 7.9460** is the 20% darker color. If you saturate the color by 10%, you get **56.6940, -51.4440, 7.2120**, and if you desaturate by 10%, it is **72.6860, -39.7980, 5.4020**.

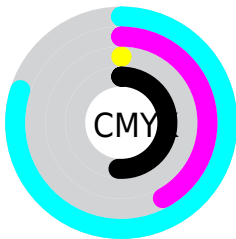
# Distribution



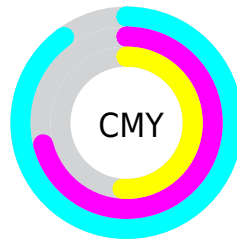
- Red (10%)
- Green (29%)
- Blue (49%)



- Red (10%)
- Yellow (23%)
- Blue (49%)



- Cyan (80%)
- Magenta (42%)
- Yellow (0%)
- Black (51%)



- Cyan (90%)
- Magenta (71%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 64.6900, -45.6210, 6.3070 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 64.6900, -45.6210, 6.3070 by changing the saturation by 10% instead.



■ 64.6900, -45.6210,  
6.3070

■ 64.6900, -45.6210,  
6.3070

■ 255.0000, -0.0000,  
-0.0000

■ 41.4510, -46.4460,  
4.7380

■ 116.8480,  
-40.0740, 10.4060

■ 26.2740, -32.6460,  
7.9460

■ 143.6740,  
-39.5240, 11.4520

■ 8.3900, -18.1130,  
14.3910

■ 170.2010,  
-39.5700, 12.2860

■ 4.7080, -10.5010,  
8.5950

■ 197.2890,  
-37.0020, 9.7980

■ 0.3420, -0.9630,  
0.9330

■ 222.3960,  
-27.4180, 1.3020

■ 0.0000, 0.0000,  
0.0000

■ 246.3290,

-17.2840, -6.1480

■ 64.6900, -45.6210,  
6.3070

■ 64.6900, -45.6210,  
6.3070

■ 56.6940, -51.4440,  
7.2120

■ 72.6860, -39.7980,  
5.4020

■ 49.5840, -56.9460,  
7.8060

■ 79.7960, -34.2960,  
4.8080

■ 87.7920, -28.4730,  
3.9030

■ 94.9020, -22.9710,  
3.3090

■ 102.8980,  
-17.1480, 2.4040

■ 110.8940,  
-11.3250, 1.4990

■ 118.0040, -5.8230,  
0.9050

■ 126.0000, 0.0000,  
0.0000

■ 133.1100, 5.5020,  
-0.5940

# Harmonies

## Analogous

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



61.4550, -61.4370, -4.4210



64.6900, -45.6210, 6.3070



73.8370, -6.0100, 20.8220

# Triad

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



64.6900, -45.6210, 6.3070



70.4800, 42.8670, 10.5710



55.0080, -39.1500, -28.3820

# Complementary

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



64.6900, -45.6210, 6.3070



86.3100, 45.6210, -6.3070

# 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.



65.4720, 0.6460, -22.7300



64.6900, -45.6210, 6.3070



70.0580, 37.6430, -4.8930

# Square

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



64.6900, -45.6210, 6.3070



71.4060, 37.6840, 21.9080



68.4380, 24.3490, -17.2750



58.7870, -48.4130, -20.1970



# Rectangle

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



64.6900, -45.6210, 6.3070



73.8240, 13.2000, 25.1040



68.4380, 24.3490, -17.2750



60.8700, -21.0860, -25.3580

# Sweetspot

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



64.6900, -45.6210, 6.3070



139.5990, -17.7440, 2.1920



90.2150, -44.4670, -36.6510



67.1930, -10.7290, 1.7110



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000



# Same Dimension

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



64.6900, -45.6210, 6.3070



68.2220, -70.4260, 9.8140



37.1120, -31.2290, 31.8350



59.5590, -3.0720, 0.6080



50.3990, -57.8630, 7.9050



0.0000, 0.0000, 0.0000



# Inverse Universe

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



60.6710, 44.7880, 36.3400



62.0800, 69.2220, 56.0860



113.8880, 31.2290, -31.8350



59.4350, 3.2090, 2.4170



45.2260, 56.7070, 46.1070



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YIQ color 64.6900, -45.6210, 6.3070 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 64.6900, -45.6210, 6.3070 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 64.6900, -45.6210, 6.3070**

## **Background**



This preview shows how black text looks on a background with the YIQ color 64.6900, -45.6210, 6.3070.



This preview shows how white text looks on a background with the YIQ color 64.6900, -45.6210,



# 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

64.6900, -45.6210, 6.3070

### Protanopia

69.7630, -29.5290, 12.0310

### Deuteranopia

64.9890, -45.0250, 6.5190



## Tritanopia

56.7640, -49.6060, -15.0940

# Trichromacy



## Original Color

64.6900, -45.6210, 6.3070

## Protanomaly

67.7730, -35.4890, 9.9110

## Deuteranomaly

64.9890, -45.0250, 6.5190

## Tritanomaly

59.4040, -48.2320, -6.9520

# Monochromacy



## Original Color

64.6900, -45.6210, 6.3070

## Achromatopsia

65.0000, -0.0000, -0.0000

## Achromatomaly

64.7840, -16.8270, 2.0930

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 64.6900, -45.6210, 6.3070 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(25, 73, 126)` looks like.

```
.text, #text, p{  
    color:rgb(25, 73, 126)  
}
```

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(25, 73, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 73, 126) }
```

## Border

The CSS property to change the border of an element to YIQ 64.6900, -45.6210, 6.3070 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(25, 73, 126) }
```



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

```
.border{ border-color:rgb(25, 73, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 73, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 73, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 73, 126);  
box-shadow:4px 4px 4px 4px rgb(25, 73,  
126) }
```

# Background

The CSS property to change the background color of an element to YIQ 64.6900, -45.6210, 6.3070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 73, 126) }
```

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

```
.background{ background-color: rgb(25, 73,  
126) }
```

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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