

Converting Colors

YIQ(147.9950, -45.1620, 3.4940)

Have a look what the booklet for
YIQ(147.9950, -45.1620, 3.4940)
contains.

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Color

**YIQ(147.9950, -45.1620,
3.4940)**

Conversions

Conversions Part 1

Format	Color
Hex	6B9ECC
RGB	107, 158, 204
RGB Percent	42%, 62%, 80%
CMY	0.5805, 0.3803, 0.2002
CMYK	0.48, 0.23, 0.00, 0.20
HSL	208°, 49%, 61%
HSV	208°, 48%, 80%
XYZ	29.1836, 31.9424, 61.7197
YIQ	147.9950, -45.1620, 3.4940

Conversions

Conversions Part 2

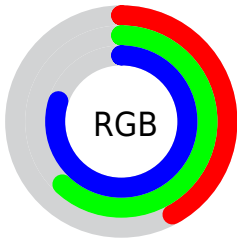
Format	Color
R_{YB}	107, 140, 204
Decimal	7053004
CIE _{Lab}	63.30, -4.47, -28.80
CIE _{LCh}	63, 29.150, 261.171
Yxy	31.9424, 0.2376, 0.2600
Android (android.graphics.Color)	4285243084 (0xFF6B9ECC)
YUV	147.9950, 27.6105, -35.9526
Hunter-Lab	56.5176, -6.7350, -25.1849

Details

The YIQ color **147.9950, -45.1620, 3.4940** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **163.0050, 45.1620, -3.4940**, and the grayscale version is **148.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **202.2510, -43.0070, 2.9850**, and **94.8590, -47.7750, 1.2890** is the 20% darker color. If you saturate the color by 10%, you get **136.1450, -54.3320, 4.4840**, and if you desaturate by 10%, it is **159.8450, -35.9920, 2.5040**.

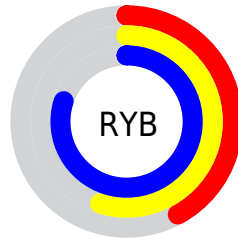
Distribution



Red (42%)

Green (62%)

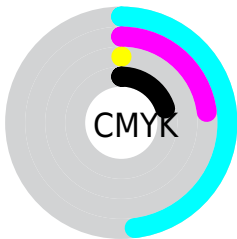
Blue (80%)



Red (42%)

Yellow (55%)

Blue (80%)

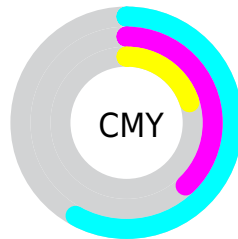


Cyan (48%)

Magenta (23%)

Yellow (0%)

Black (20%)



Cyan (58%)

Magenta (38%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 147.9950, -45.1620, 3.4940 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 147.9950, -45.1620, 3.4940 by changing the saturation by 10% instead.

■ 147.9950,
-45.1620, 3.4940

■ 147.9950,
-45.1620, 3.4940

■ 255.0000, -0.0000,
-0.0000

■ 121.1690,
-45.7120, 2.4480

■ 202.8380,
-43.2820, 2.4620

■ 94.8590, -47.7750,
1.2890

■ 227.6460,
-34.2940, -6.2460

■ 66.4450, -55.4770,
-2.3010

■ 244.5350,
-20.8600, -7.4200

■ 46.5060, -48.2790,
-0.5910

■ 253.5050, -2.9800,
-1.0600

■ 30.7420, -34.2040,
3.1400

■ 16.4940, -21.6420,
6.7580

■ 4.5940, -10.1800,

8.2840

■ 0.0000, 0.0000,
0.0000

■ 147.9950,
-45.1620, 3.4940

■ 147.9950,
-45.1620, 3.4940

■ 136.1450,
-54.3320, 4.4840

■ 159.8450,
-35.9920, 2.5040

■ 124.5830,
-64.3730, 4.7390

■ 171.4070,
-25.9510, 2.2490

■ 112.7330,
-73.5430, 5.7290

■ 183.2570,
-16.7810, 1.2590

■ 100.5840,
-83.3090, 6.5070

■ 195.4060, -7.0150,
0.4810

■ 89.3210, -92.7540,
6.9740

■ 206.6690, 2.4300,
0.0140

■ 86.0650, -94.9090,
7.4830

■ 218.5190, 11.6000,
-0.9760

■ 230.6680, 21.3660,
-1.7540

■ 237.4460, 21.8710,
-5.4010

■ 243.3160, 19.1210,
-10.6310

Harmonies

Analogous

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



140.3960, -62.9490, -10.0610



147.9950, -45.1620, 3.4940



154.0310, -18.4800, 15.5360

Triad

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



147.9950, -45.1620, 3.4940



156.0440, 41.3990, 15.1510



146.7250, -10.3120, -22.3760

Complementary

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



147.9950, -45.1620, 3.4940



163.0050, 45.1620, -3.4940

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.



149.4630, 14.0330, -17.5430



147.9950, -45.1620, 3.4940



154.0790, 42.3180, 3.9980

Square

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



147.9950, -45.1620, 3.4940



156.6270, 29.7520, 22.4880



152.3130, 32.3710, -8.4690



141.9530, -37.3170, -23.0530

Rectangle

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



147.9950, -45.1620, 3.4940



156.3600, -0.2330, 20.7510



152.3130, 32.3710, -8.4690



147.7430, -1.5550, -21.3870

Sweetspot

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



147.9950, -45.1620, 3.4940



234.2570, -16.7810, 1.2590



169.0690, -41.1200, -36.7360



114.9650, -10.0870, 1.0890



0.0000, 0.0000, 0.0000



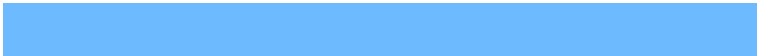
128.0000, -0.0000, -0.0000

Same Dimension

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



147.9950, -45.1620, 3.4940



171.1420, -67.4450, 5.3470



119.8190, -31.9620, 28.5980



96.0750, -4.5850, 0.4950



69.9930, -77.2110, 6.1250



16.0720, -17.6980, 1.3580

Inverse Universe

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



141.8170, 41.4410, 36.4250



162.0190, 62.0240, 54.3760



191.1810, 31.9620, -28.5980



95.5600, 4.3550, 3.6750



59.5520, 71.0090, 62.2490



13.6420, 16.2280, 14.2760

Previews

White Background



This preview shows how the YIQ color 147.9950, -45.1620, 3.4940 looks on a white background.

Color Contrast Check

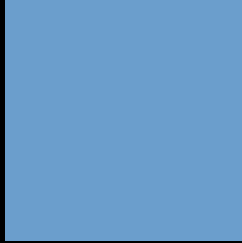
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 147.9950, -45.1620, 3.4940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

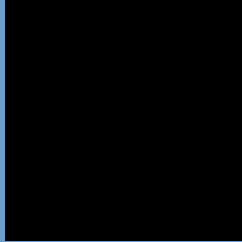
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 147.9950, -45.1620, 3.4940

Background



This preview shows how black text looks on a background with the YIQ color 147.9950, -45.1620, 3.4940.

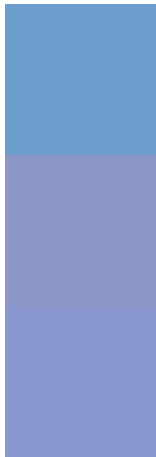


This preview shows how white text looks on a background with the YIQ color 147.9950, -45.1620,

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

147.9950, -45.1620, 3.4940

Protanopia

153.1830, -21.9640, 12.5960

Deuteranopia

152.7960, -25.1280, 14.8720



Tritanopia

145.0470, -42.9130, -9.7370

Trichromacy



Original Color

147.9950, -45.1620, 3.4940

Protanomaly

151.5840, -30.5830, 9.1050

Deuteranomaly

151.1540, -32.1880, 10.6600

Tritanomaly

145.9100, -43.7850, -4.9450

Monochromacy



Original Color

147.9950, -45.1620, 3.4940

Achromatopsia

148.0000, -0.0000, 0.0000

Achromatomaly

148.1430, -16.4600, 0.9480

CSS Examples

Text

The CSS property to change the color of the text to YIQ 147.9950, -45.1620, 3.4940 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(107, 158, 204)` looks like.

```
.text, #text, p{  
    color:rgb(107, 158, 204)  
}
```

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(107, 158, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 158, 204) }
```

Border

The CSS property to change the border of an element to YIQ 147.9950, -45.1620, 3.4940 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(107, 158, 204) }
```


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

```
.border{ border-color:rgb(107, 158, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 158, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 158, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 158, 204);  
box-shadow:4px 4px 4px 4px rgb(107, 158,  
204) }
```

Background

The CSS property to change the background color of an element to YIQ 147.9950, -45.1620, 3.4940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 158, 204) }
```

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

```
.background{ background-color: rgb(107,  
158, 204) }
```

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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