

Converting Colors

YIQ(163.5250, -32.0950, 3.4650)

Have a look what the booklet for
YIQ(163.5250, -32.0950, 3.4650)
contains.

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Color

**YIQ(163.5250, -32.0950,
3.4650)**

Conversions

Conversions Part 1

Format	Color
Hex	87AACD
RGB	135, 170, 205
RGB Percent	53%, 67%, 80%
CMY	0.4706, 0.3333, 0.1962
CMYK	0.34, 0.17, 0.00, 0.20
HSL	210°, 41%, 67%
HSV	210°, 34%, 80%
XYZ	35.3813, 38.3105, 63.2625
YIQ	163.5250, -32.0950, 3.4650

Conversions

Conversions Part 2

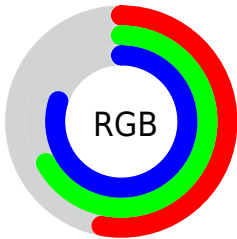
Format	Color
RYB	135, 158, 205
Decimal	8891085
CIELab	68.25, -3.46, -21.63
CIELCh	68, 21.907, 260.907
Yxy	38.3105, 0.2583, 0.2797
Android (android.graphics.Color)	4287081165 (0xFF87AACD)
YUV	163.5250, 20.4472, -25.0164
Hunter-Lab	61.8955, -6.2810, -17.2727

Details

The YIQ color **163.5250, -32.0950, 3.4650** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **176.4750, 32.0950, -3.4650**, and the grayscale version is **163.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **217.9550, -30.4900, 1.9100**, and **110.9980, -32.0490, 2.6310** is the 20% darker color. If you saturate the color by 10%, you get **151.3760, -41.8610, 4.2430**, and if you desaturate by 10%, it is **175.3750, -22.9250, 2.4750**.

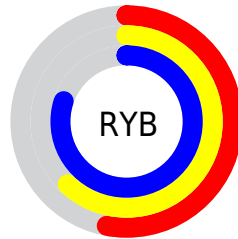
Distribution



Red (53%)

Green (67%)

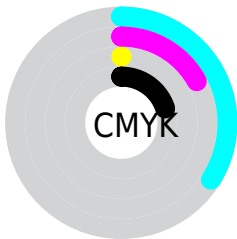
Blue (80%)



Red (53%)

Yellow (62%)

Blue (80%)

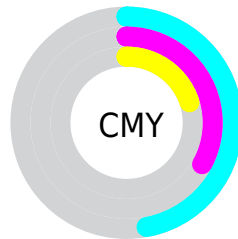


Cyan (34%)

Magenta (17%)

Yellow (0%)

Black (20%)



Cyan (47%)

Magenta (33%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 163.5250, -32.0950, 3.4650 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 163.5250, -32.0950, 3.4650 by changing the saturation by 10% instead.

■ 163.5250,
-32.0950, 3.4650

■ 163.5250,
-32.0950, 3.4650

■ 255.0000, -0.0000,
-0.0000

■ 136.9980,
-32.0490, 2.6310

■ 217.9550,
-30.4900, 1.9100

■ 110.9980,
-32.0490, 2.6310

■ 243.3500,
-21.7770, -7.3210

■ 85.8840, -31.7280,
2.3200

■ 252.6080, -4.7680,
-1.6960

■ 61.4600, -33.4700,
0.8500

■ 36.8400, -37.5960,
-1.4680

■ 21.8910, -24.4380,
2.3620

■ 4.8220, -10.8220,

8.9060

■ 0.3420, -0.9630,
0.9330

■ 0.0000, 0.0000,
0.0000

■ 163.5250,
-32.0950, 3.4650

■ 163.5250,
-32.0950, 3.4650

■ 151.3760,
-41.8610, 4.2430

■ 175.3750,
-22.9250, 2.4750

■ 139.5260,
-51.0310, 5.2330

■ 187.5240,
-13.1590, 1.6970

■ 126.7900,
-60.5220, 6.5340

■ 199.9610, -4.2640,
0.1840

■ 114.9400,
-69.6920, 7.5240

■ 212.1100, 5.5020,
-0.5940

■ 103.0900,
-78.8620, 8.5140

■ 223.9600, 14.6720,
-1.5840

■ 90.9410, -88.6280,
9.2920

■ 235.2120, 22.6500,
-2.9980

■ 83.8310, -94.1300,
9.8860

■ 241.6690, 19.6250,
-8.7510

■ 247.5390, 16.8750,
-13.9810

■ 249.3000, 16.0500,
-15.5500

Harmonies

Analogous

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



159.4540, -42.5010, -6.1890



163.5250, -32.0950, 3.4650



167.2610, -13.4360, 12.2280

Triad

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



163.5250, -32.0950, 3.4650



169.1460, 32.1840, 11.4480



161.2680, -7.2870, -16.6230

Complementary

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



163.5250, -32.0950, 3.4650



176.4750, 32.0950, -3.4650

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.



163.8420, 11.6480, -12.8640



163.5250, -32.0950, 3.4650



168.0610, 33.5610, 3.0090

Square

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



163.5250, -32.0950, 3.4650



169.9310, 22.7840, 16.6080



166.1860, 25.5390, -5.7970



158.8020, -26.4060, -17.0460

Rectangle

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



163.5250, -32.0950, 3.4650



169.1980, 0.0430, 15.7470



166.1860, 25.5390, -5.7970



162.5030, -0.6390, -15.9590

Sweetspot

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



163.5250, -32.0950, 3.4650



239.8940, -11.3250, 1.4990



179.9660, -30.1640, -26.0360



118.5200, -7.3360, 0.7920



0.0000, 0.0000, 0.0000



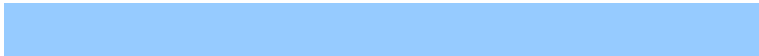
128.0000, -0.0000, -0.0000

Same Dimension

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



163.5250, -32.0950, 3.4650



193.0810, -48.2800, 4.9360



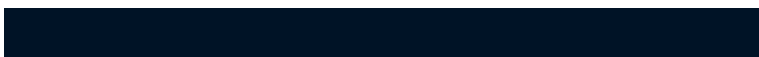
143.5670, -22.7450, 21.2470



96.0750, -4.5850, 0.4950



67.6450, -76.1110, 8.2170



15.4850, -17.4230, 1.8810

Inverse Universe

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



159.9200, 30.4850, 25.7250



187.4370, 45.5670, 38.7430



196.4330, 22.7450, -21.2470



95.5600, 4.3550, 3.6750



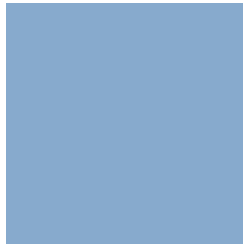
59.0960, 72.2930, 61.0050



13.5280, 16.5490, 13.9650

Previews

White Background



This preview shows how the YIQ color 163.5250, -32.0950, 3.4650 looks on a white background.

Color Contrast Check

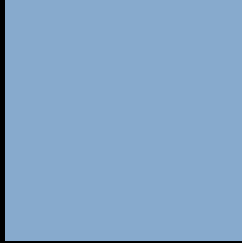
Large Text (above 18pt) WCAG AA × Fail

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 163.5250, -32.0950, 3.4650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

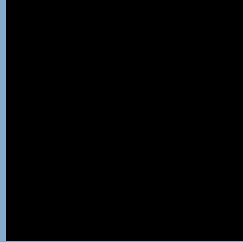
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

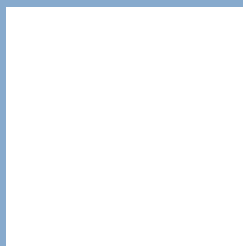
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 163.5250, -32.0950, 3.4650

Background



This preview shows how black text looks on a background with the YIQ color 163.5250, -32.0950, 3.4650.



This preview shows how white text looks on a background with the YIQ color 163.5250, -32.0950,

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

163.5250, -32.0950, 3.4650

Protanopia

166.4240, -15.4530, 10.2350

Deuteranopia

167.4180, -15.3160, 13.2600



Tritanopia

162.0380, -29.5260, -4.5500

Trichromacy



Original Color

163.5250, -32.0950, 3.4650

Protanomaly

165.3200, -21.0920, 7.8040

Deuteranomaly

166.3740, -21.1840, 9.4720

Tritanomaly

162.5480, -30.9020, -1.6380

Monochromacy



Original Color

163.5250, -32.0950, 3.4650

Achromatopsia

164.0000, 0.0000, -0.0000

Achromatomaly

163.5950, -11.9210, 1.2870

CSS Examples

Text

The CSS property to change the color of the text to YIQ 163.5250, -32.0950, 3.4650 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(135, 170, 205)` looks like.

```
.text, #text, p{  
    color:rgb(135, 170, 205)  
}
```

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(135, 170, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 170, 205) }
```

Border

The CSS property to change the border of an element to YIQ 163.5250, -32.0950, 3.4650 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(135, 170, 205) }
```


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

```
.border{ border-color:rgb(135, 170, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 170, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 170, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 170, 205);  
box-shadow:4px 4px 4px 4px rgb(135, 170,  
205) }
```

Background

The CSS property to change the background color of an element to YIQ 163.5250, -32.0950, 3.4650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 170, 205) }
```

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

```
.background{ background-color: rgb(135,  
170, 205) }
```

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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