

Converting Colors

YIQ(168.7650, 30.0240, 39.5920)

Have a look what the booklet for
YIQ(168.7650, 30.0240, 39.5920)
contains.

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Color

**YIQ(168.7650, 30.0240,
39.5920)**

Conversions

Conversions Part 1

Format	Color
Hex	DE87CB
RGB	222, 135, 203
RGB Percent	87%, 53%, 80%
CMY	0.1292, 0.4707, 0.2039
CMYK	0.00, 0.39, 0.09, 0.13
HSL	313°, 57%, 70%
HSV	313°, 39%, 87%
XYZ	49.5841, 37.1700, 61.0717
YIQ	168.7650, 30.0240, 39.5920

Conversions

Conversions Part 2

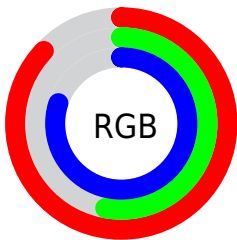
Format	Color
RYB	222, 135, 203
Decimal	14583755
CIELab	67.40, 43.00, -21.14
CIELCh	67, 47.918, 333.824
Yxy	37.1700, 0.3354, 0.2514
Android (android.graphics.Color)	4292773835 (0xFFDE87CB)
YUV	168.7650, 16.8779, 46.6871
Hunter-Lab	60.9672, 38.4798, -16.7145

Details

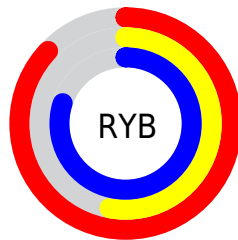
The YIQ color **168.7650, 30.0240, 39.5920** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **188.2350, -30.0240, -39.5920**, and the grayscale version is **169.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **216.8450, 17.8750, 33.9950**, and **115.0420, 27.6860, 37.9100** is the 20% darker color. If you saturate the color by 10%, you get **155.2810, 37.6790, 49.5430**, and if you desaturate by 10%, it is **182.2490, 22.3690, 29.6410**.

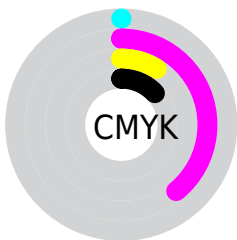
Distribution



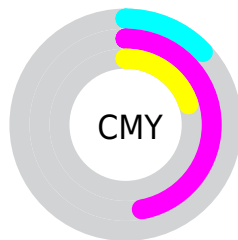
- Red (87%)
- Green (53%)
- Blue (80%)



- Red (87%)
- Yellow (53%)
- Blue (80%)



- Cyan (0%)
- Magenta (39%)
- Yellow (9%)
- Black (13%)



- Cyan (13%)
- Magenta (47%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 168.7650, 30.0240, 39.5920 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 168.7650, 30.0240, 39.5920 by changing the saturation by 10% instead.

168.7650, 30.0240,
39.5920

168.7650, 30.0240,
39.5920

255.0000, -0.0000,
-0.0000

141.7540, 28.5570,
38.6450

216.8450, 17.8750,
33.9950

115.0420, 27.6860,
37.9100

233.2810, 10.1750,
19.3510

88.7430, 27.0900,
37.6980

250.3040, 2.2000,
4.1840

62.5580, 26.1730,
37.7970

33.8510, 26.9060,
41.0340

23.7540, 19.3890,
28.5810

14.7820, 13.0180,

17.3860

■ 0.0000, 0.0000,
0.0000

■ 168.7650, 30.0240,
39.5920

■ 168.7650, 30.0240,
39.5920

■ 155.2810, 37.6790,
49.5430

■ 182.2490, 22.3690,
29.6410

■ 141.7970, 45.3340,
59.4940

■ 195.7330, 14.7140,
19.6900

■ 127.7260, 53.2640,
69.9680

■ 209.8040, 6.7840,
9.2160

■ 114.3560, 60.5980,
80.2300

■ 223.1740, -0.5500,
-1.0460

■ 100.8720, 68.2530,
90.1810

■ 236.6580, -8.2050,
-10.9970

87.3880, 75.9080,
100.1320

242.5110,
-12.2850, -14.1490

86.2140, 76.4580,
101.1780

243.0810,
-13.8900, -12.5940

243.6510,
-15.4950, -11.0390

244.2210,
-17.1000, -9.4840

Harmonies

Analogous

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



167.8660, -12.9810, 31.5230



168.7650, 30.0240, 39.5920



166.3320, 58.8640, 34.5440

Triad

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



168.7650, 30.0240, 39.5920



160.1330, 41.0850, -23.2270



132.6490, -118.6060, -31.1340

Complementary

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



168.7650, 30.0240, 39.5920



188.2350, -30.0240, -39.5920

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.



128.3340, -105.0780, -45.0300



168.7650, 30.0240, 39.5920



155.4320, 6.1500, -34.3780

Square

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



168.7650, 30.0240, 39.5920



162.5740, 62.4930, -3.7070



146.0750, -41.2570, -39.7610



132.5470, -126.5860, -18.6660

Rectangle

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



168.7650, 30.0240, 39.5920



164.6130, 67.8980, 25.0020



146.0750, -41.2570, -39.7610



131.7540, -114.7080, -35.7000

Sweetspot

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



168.7650, 30.0240, 39.5920



236.0050, 10.7720, 14.0360



150.5990, -16.6030, 31.0850



116.9780, 6.2340, 8.1700



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.



168.7650, 30.0240, 39.5920



181.5960, 41.3460, 54.6740



163.8630, 43.8270, 26.2190



105.3150, 3.6670, 5.1310



68.2420, 60.9190, 79.9190



18.6840, 16.4100, 21.9940

Inverse Universe

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



168.7650, 30.0240, 39.5920



181.5960, 41.3460, 54.6740



193.1370, -43.8270, -26.2190



105.3150, 3.6670, 5.1310



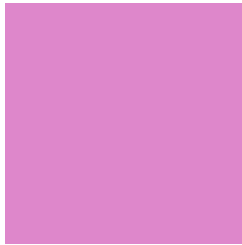
68.2420, 60.9190, 79.9190



18.6840, 16.4100, 21.9940

Previews

White Background



This preview shows how the YIQ color 168.7650, 30.0240, 39.5920 looks on a white background.

Color Contrast Check

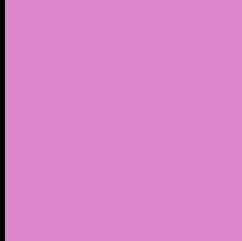
Large Text (above 18pt) WCAG AA × Fail

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 168.7650, 30.0240, 39.5920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

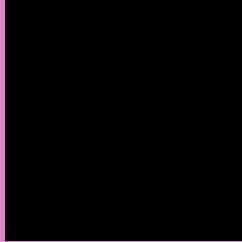
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 168.7650, 30.0240, 39.5920

Background



This preview shows how black text looks on a background with the YIQ color 168.7650, 30.0240, 39.5920.



This preview shows how white text looks on a background with the YIQ color 168.7650, 30.0240,

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

168.7650, 30.0240, 39.5920

Protanopia

164.4690, -28.5210, 15.7910

Deuteranopia

166.1150, -10.0890, 12.1430



Tritanopia

167.3690, 39.1060, 18.1620

Trichromacy



Original Color

168.7650, 30.0240, 39.5920



Protanomaly

165.8740, -7.4320, 24.5680



Deuteranomaly

167.3390, 4.2600, 21.9240



Tritanomaly

167.5570, 35.9410, 25.9650

Monochromacy



Original Color

168.7650, 30.0240, 39.5920



Achromatopsia

169.0000, -0.0000, -0.0000



Achromatomaly

169.0050, 10.7720, 14.0360

CSS Examples

Text

The CSS property to change the color of the text to YIQ 168.7650, 30.0240, 39.5920 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(222, 135, 203)` looks like.

```
.text, #text, p{  
    color:rgb(222, 135, 203)  
}
```

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(222, 135, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 135, 203) }
```

Border

The CSS property to change the border of an element to YIQ 168.7650, 30.0240, 39.5920 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(222, 135, 203) }
```


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

```
.border{ border-color:rgb(222, 135, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 135, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 135, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 135, 203);  
box-shadow:4px 4px 4px 4px rgb(222, 135,  
203) }
```

Background

The CSS property to change the background color of an element to YIQ 168.7650, 30.0240, 39.5920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 135, 203) }
```

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

```
.background{ background-color: rgb(222,  
135, 203) }
```

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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