

Converting Colors

YIQ(163.8590, 24.4280, 52.9080)

Have a look what the booklet for
YIQ(163.8590, 24.4280, 52.9080)
contains.

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Color

**YIQ(163.8590, 24.4280,
52.9080)**

Conversions

Conversions Part 1

Format	Color
Hex	DC7BE3
RGB	220, 123, 227
RGB Percent	86%, 48%, 89%
CMY	0.1370, 0.5178, 0.1098
CMYK	0.03, 0.46, 0.00, 0.11
HSL	296°, 65%, 69%
HSV	296°, 46%, 89%
XYZ	50.4817, 34.9296, 76.7575
YIQ	163.8590, 24.4280, 52.9080

Conversions

Conversions Part 2

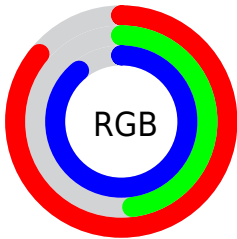
Format	Color
R _Y B	220, 123, 227
Decimal	14449635
CIE Lab	65.69, 52.79, -37.15
CIE LCh	66, 64.551, 324.867
Yxy	34.9296, 0.3113, 0.2154
Android (android.graphics.Color)	4292639715 (0xFFDC7BE3)
YUV	163.8590, 31.1285, 49.2357
Hunter-Lab	59.1012, 49.0396, -35.6318

Details

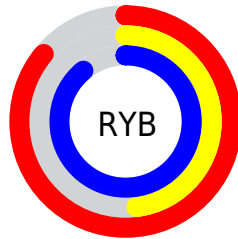
The YIQ color **163.8590, 24.4280, 52.9080** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **186.1410, -24.4280, -52.9080**, and the grayscale version is **164.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **209.8010, 21.1750, 40.2710**, and **109.3210, 23.0070, 51.1270** is the 20% darker color. If you saturate the color by 10%, you get **150.0590, 30.1570, 64.7250**, and if you desaturate by 10%, it is **177.9580, 19.2950, 41.3030**.

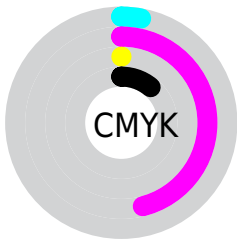
Distribution



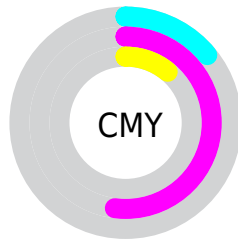
- Red (86%)
- Green (48%)
- Blue (89%)



- Red (86%)
- Yellow (48%)
- Blue (89%)



- Cyan (3%)
- Magenta (46%)
- Yellow (0%)
- Black (11%)



- Cyan (14%)
- Magenta (52%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 163.8590, 24.4280, 52.9080 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 163.8590, 24.4280, 52.9080 by changing the saturation by 10% instead.

163.8590, 24.4280,
52.9080

163.8590, 24.4280,
52.9080

255.0000, -0.0000,
-0.0000

136.1470, 23.5570,
52.1730

209.8010, 21.1750,
40.2710

108.7340, 23.2820,
51.6500

226.2370, 13.4750,
25.6270

81.4350, 22.6860,
51.4380

243.2600, 5.5000,
10.4600

49.2660, 24.8400,
56.4560

35.1200, 19.0190,
46.3070

24.6100, 11.2270,
33.3310

14.8120, 4.3060,

21.0900

■ 3.3230, -7.9790,
6.9410

■ 0.0000, 0.0000,
0.0000

■ 163.8590, 24.4280,
52.9080

■ 163.8590, 24.4280,
52.9080

■ 150.0590, 30.1570,
64.7250

■ 177.9580, 19.2950,
41.3030

■ 136.5470, 35.0150,
75.8070

■ 191.1710, 13.8410,
30.0090

■ 122.7470, 40.7440,
87.6240

■ 205.2700, 8.7080,
18.4040

■ 108.6480, 45.8770,
99.2290

■ 219.0700, 2.9790,
6.5870

94.8480, 51.6060,
111.0460

232.5820, -1.8790,
-4.4950

89.2660, 53.4850,
115.5410

244.0340, -6.5080,
-14.2200

244.6320, -5.3160,
-13.7960

244.9310, -4.7200,
-13.5840

245.5290, -3.5280,
-13.1600

Harmonies

Analogous

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



158.4040, -37.9230, 32.0050



163.8590, 24.4280, 52.9080



157.4880, 67.8930, 52.6370

Triad

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



163.8590, 24.4280, 52.9080



152.4330, 66.3030, -28.7130



133.3670, -117.8720, -33.4240

Complementary

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



163.8590, 24.4280, 52.9080



186.1410, -24.4280, -52.9080

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.



125.9400, -98.3370, -51.5610



163.8590, 24.4280, 52.9080



147.6230, 24.1250, -46.2670

Square

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



163.8590, 24.4280, 52.9080



155.3660, 86.7460, 2.7940



134.9310, -41.3920, -53.8400



135.6760, -131.2630, -16.5030

Rectangle

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



163.8590, 24.4280, 52.9080



153.0420, 80.4120, 40.5080



134.9310, -41.3920, -53.8400



131.2010, -111.7730, -39.3330

Sweetspot

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



163.8590, 24.4280, 52.9080



233.2700, 8.7080, 18.4040



138.9650, -35.3090, 28.6830



114.4880, 4.8580, 11.0820



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.



163.8590, 24.4280, 52.9080



170.1290, 33.1360, 71.3120



160.8220, 43.0450, 40.3970



107.6570, 2.7040, 6.0640



70.3390, 42.0730, 91.0730



20.1660, 12.2370, 26.0370

Inverse Universe

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



154.8940, 59.7370, 24.2250



157.8860, 80.5510, 32.4790



189.1780, -43.0450, -40.3970



106.7020, 6.8310, 2.8550



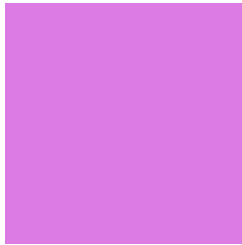
54.8890, 102.8320, 41.6800



15.5910, 29.4330, 11.7450

Previews

White Background



This preview shows how the YIQ color 163.8590, 24.4280, 52.9080 looks on a white background.

Color Contrast Check

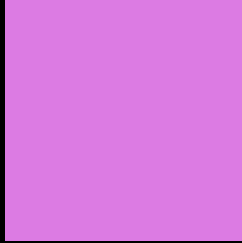
Large Text (above 18pt) WCAG AA × Fail

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 163.8590, 24.4280, 52.9080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

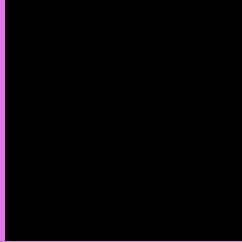
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 163.8590, 24.4280, 52.9080

Background



This preview shows how black text looks on a background with the YIQ color 163.8590, 24.4280, 52.9080.



This preview shows how white text looks on a background with the YIQ color 163.8590, 24.4280,

52.9080.

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

163.8590, 24.4280, 52.9080

Protanopia

157.7070, -52.3180, 23.0580

Deuteranopia

159.8000, -30.9510, 15.7770



Tritanopia

162.1840, 38.1890, 18.2610

Trichromacy



Original Color

163.8590, 24.4280, 52.9080



Protanomaly

160.2870, -24.3520, 33.8560



Deuteranomaly

161.0680, -10.7340, 29.3460



Tritanomaly

163.0500, 33.2350, 30.9550

Monochromacy



Original Color

163.8590, 24.4280, 52.9080



Achromatopsia

164.0000, 0.0000, -0.0000



Achromatomaly

163.7970, 8.6620, 19.2380

CSS Examples

Text

The CSS property to change the color of the text to YIQ 163.8590, 24.4280, 52.9080 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(220, 123, 227)` looks like.

```
.text, #text, p{  
    color:rgb(220, 123, 227)  
}
```

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(220, 123, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 123, 227) }
```

Border

The CSS property to change the border of an element to YIQ 163.8590, 24.4280, 52.9080 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(220, 123, 227) }
```


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

```
.border{ border-color:rgb(220, 123, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 123, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 123, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 123, 227);  
box-shadow:4px 4px 4px 4px rgb(220, 123,  
227) }
```

Background

The CSS property to change the background color of an element to YIQ 163.8590, 24.4280, 52.9080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 123, 227) }
```

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

```
.background{ background-color: rgb(220,  
123, 227) }
```

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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