

Converting Colors

YIQ(76.1230, -12.5670, 24.0170)

Have a look what the booklet for
YIQ(76.1230, -12.5670, 24.0170)
contains.

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Color

**YIQ(76.1230, -12.5670,
24.0170)**

Conversions

Conversions Part 1

Format	Color
Hex	4F4083
RGB	79, 64, 131
RGB Percent	31%, 25%, 51%
CMY	0.6901, 0.7490, 0.4864
CMYK	0.40, 0.51, 0.00, 0.49
HSL	253°, 34%, 38%
HSV	253°, 51%, 51%
XYZ	9.1541, 6.9672, 22.3258
YIQ	76.1230, -12.5670, 24.0170

Conversions

Conversions Part 2

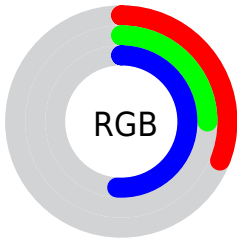
Format	Color
R_YB	79, 64, 131
Decimal	5193859
CIE _{Lab}	31.73, 23.45, -35.64
CIE _{LCh}	32, 42.661, 303.342
Yxy	6.9672, 0.2381, 0.1812
Android (android.graphics.Color)	4283383939 (0xFF4F4083)
YUV	76.1230, 27.0544, 2.5231
Hunter-Lab	26.3955, 15.7129, -31.6719

Details

The YIQ color $76.1230, -12.5670, 24.0170$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $118.8770, 12.5670, -24.0170$, and the grayscale version is $76.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $126.0030, -12.1090, 26.7310$, and $29.9330, -15.0880, 20.1440$ is the 20% darker color. If you saturate the color by 10%, you get $65.5020, -14.9520, 28.6960$, and if you desaturate by 10%, it is $86.7440, -10.1820, 19.3380$.

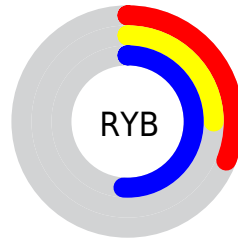
Distribution



Red (31%)

Green (25%)

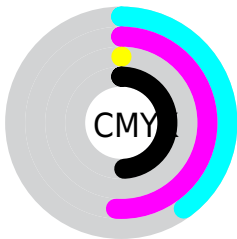
Blue (51%)



Red (31%)

Yellow (25%)

Blue (51%)

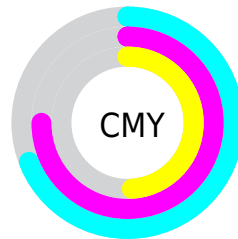


Cyan (40%)

Magenta (51%)

Yellow (0%)

Black (49%)



Cyan (69%)

Magenta (75%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 76.1230, -12.5670, 24.0170 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 76.1230, -12.5670, 24.0170 by changing the saturation by 10% instead.

■ 76.1230, -12.5670,
24.0170

■ 76.1230, -12.5670,
24.0170

■ 255.0000, -0.0000,
-0.0000

■ 52.7700, -13.0710,
22.1370

■ 125.8890,
-11.7880, 26.4200

■ 29.9330, -15.0880,
20.1440

■ 152.4160,
-11.8340, 27.2540

■ 8.4060, -15.0420,
19.3100

■ 179.0570,
-12.2010, 28.3990

■ 5.1640, -11.7850,
9.8390

■ 205.1730, -6.8360,
24.7800

■ 1.1400, -3.2100,
3.1100

■ 230.2800, 2.7480,
16.2840

■ 0.0000, 0.0000,
0.0000

■ 250.8910, 1.9250,

3.6610

■ 76.1230, -12.5670,
24.0170

■ 76.1230, -12.5670,
24.0170

■ 65.5020, -14.9520,
28.6960

■ 86.7440, -10.1820,
19.3380

■ 54.8810, -17.3370,
33.3750

■ 97.3650, -7.7970,
14.6590

■ 44.2600, -19.7220,
38.0540

■ 107.9860, -5.4120,
9.9800

■ 33.3400, -22.7030,
42.5210

■ 118.9060, -2.4310,
5.5130

■ 23.6050, -24.7670,
46.8890

■ 129.5270, -0.0460,
0.8340

■ 140.7350, 2.0640,
-4.3680

■ 151.3560, 4.4490,
-9.0470

■ 161.9770, 6.8340,
-13.7260

■ 172.5980, 9.2190,
-18.4050

Harmonies

Analogous

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



61.3870, -66.7570, 3.8910



76.1230, -12.5670, 24.0170



75.1290, 22.8270, 32.3550

Triad

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



76.1230, -12.5670, 24.0170



71.0330, 47.9590, -4.6250



61.7220, -49.7880, -22.8120

Complementary

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



76.1230, -12.5670, 24.0170



118.8770, 12.5670, -24.0170

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.



56.5580, -38.0030, -32.6510



76.1230, -12.5670, 24.0170



69.4510, 31.5020, -20.2580

Square

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



76.1230, -12.5670, 24.0170



71.3180, 52.3110, 15.6310



65.7080, 5.5530, -29.0630



65.4840, -60.3810, -12.5490

Rectangle

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



76.1230, -12.5670, 24.0170



72.5130, 39.2410, 32.2410



65.7080, 5.5530, -29.0630



60.3540, -45.9360, -26.5440

Sweetspot

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



76.1230, -12.5670, 24.0170



149.7580, -4.7700, 9.3580



102.1620, -35.8070, -6.3590



74.0200, -2.7520, 5.8240



214.0000, -0.0000, 0.0000



87.0000, -0.0000, -0.0000

Same Dimension

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



76.1230, -12.5670, 24.0170



85.7330, -19.6760, 37.2200



85.9900, 7.1010, 31.0130



60.9830, -1.3300, 2.0780



23.4910, -24.4460, 46.5780



0.6410, -0.3670, 1.1450

Inverse Universe

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



89.9610, 23.2400, 30.3760



107.2160, 36.3040, 46.9280



109.0100, -7.1010, -31.0130



62.3640, 1.9710, 2.8270



50.3840, 45.0590, 58.9710



1.1250, 1.1460, 1.2580

Previews

White Background



This preview shows how the YIQ color 76.1230, -12.5670, 24.0170 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 76.1230, -12.5670, 24.0170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

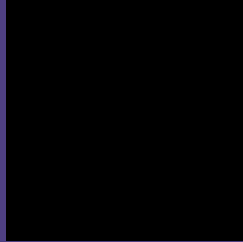
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 76.1230, -12.5670, 24.0170

Background



This preview shows how black text looks on a background with the YIQ color 76.1230, -12.5670, 24.0170.



This preview shows how white text looks on a background with the YIQ color 76.1230, -12.5670,

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

76.1230, -12.5670, 24.0170

Protanopia

70.4720, -41.7710, 13.6290

Deuteranopia

69.3700, -41.7240, 7.2680



Tritanopia

74.2920, -6.6940, 0.1700

Trichromacy



Original Color

76.1230, -12.5670, 24.0170

Protanomaly

72.8540, -31.0430, 17.4450

Deuteranomaly

71.9200, -31.4090, 13.0630

Tritanomaly

75.1920, -8.9880, 8.7080

Monochromacy



Original Color

76.1230, -12.5670, 24.0170

Achromatopsia

76.0000, -0.0000, -0.0000

Achromatomaly

76.2310, -4.7240, 8.5240

CSS Examples

Text

The CSS property to change the color of the text to YIQ 76.1230, -12.5670, 24.0170 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(79, 64, 131)` looks like.

```
.text, #text, p{  
    color:rgb(79, 64, 131)  
}
```

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(79, 64, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 64, 131) }
```

Border

The CSS property to change the border of an element to YIQ 76.1230, -12.5670, 24.0170 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(79, 64, 131) }
```


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

```
.border{ border-color:rgb(79, 64, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 64, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 64, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 64, 131);  
box-shadow:4px 4px 4px 4px rgb(79, 64,  
131) }
```

Background

The CSS property to change the background color of an element to YIQ 76.1230, -12.5670, 24.0170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 64, 131) }
```

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

```
.background{ background-color: rgb(79, 64,  
131) }
```

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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