

Converting Colors

YIQ(90.7500, -36.6820, 15.0140)

Have a look what the booklet for
YIQ(90.7500, -36.6820, 15.0140)
contains.

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Color

**YIQ(90.7500, -36.6820,
15.0140)**

Conversions

Conversions Part 1

Format	Color
Hex	415B9D
RGB	65, 91, 157
RGB Percent	25%, 36%, 62%
CMY	0.7451, 0.6431, 0.3845
CMYK	0.59, 0.42, 0.00, 0.38
HSL	223°, 41%, 44%
HSV	223°, 59%, 62%
XYZ	12.0032, 11.0403, 33.3742
YIQ	90.7500, -36.6820, 15.0140

Conversions

Conversions Part 2

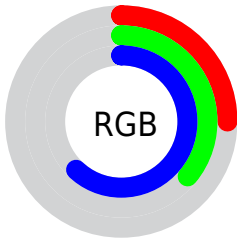
Format	Color
R _Y B	65, 85, 157
Decimal	4283293
CIE Lab	39.65, 10.99, -38.90
CIE LCh	40, 40.426, 285.777
Yxy	11.0403, 0.2128, 0.1957
Android (android.graphics.Color)	4282473373 (0xFF415B9D)
YUV	90.7500, 32.6613, -22.5827
Hunter-Lab	33.2270, 6.3356, -36.2938

Details

The YIQ color **90.7500, -36.6820, 15.0140** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **131.2500, 36.6820, -15.0140**, and the grayscale version is **90.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **142.8150, -35.3070, 17.6290**, and **38.9720, -46.3550, 8.5970** is the 20% darker color. If you saturate the color by 10%, you get **79.5090, -43.1930, 17.3750**, and if you desaturate by 10%, it is **101.9910, -30.1710, 12.6530**.

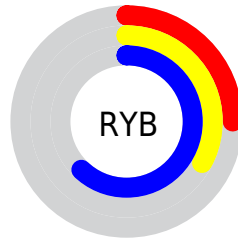
Distribution



Red (25%)

Green (36%)

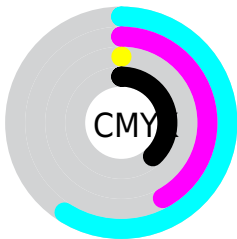
Blue (62%)



Red (25%)

Yellow (33%)

Blue (62%)

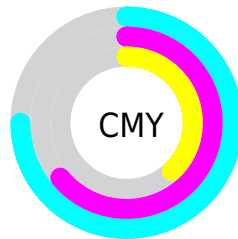


Cyan (59%)

Magenta (42%)

Yellow (0%)

Black (38%)



Cyan (75%)

Magenta (64%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 90.7500, -36.6820, 15.0140 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 90.7500, -36.6820, 15.0140 by changing the saturation by 10% instead.

■ 90.7500, -36.6820,
15.0140

■ 90.7500, -36.6820,
15.0140

■ 255.0000, -0.0000,
-0.0000

■ 65.3150, -39.8910,
12.5970

■ 142.8150,
-35.3070, 17.6290

■ 38.9720, -46.3550,
8.5970

■ 169.6410,
-34.7570, 18.6750

■ 24.3820, -32.8300,
11.2820

■ 195.5720,
-30.3090, 15.1550

■ 6.4980, -18.2970,
17.7270

■ 220.3800,
-21.3210, 6.4470

■ 5.1640, -11.7850,
9.8390

■ 246.0740,
-12.0120, -2.5720

■ 1.0260, -2.8890,
2.7990

■ 0.0000, 0.0000,

0.0000

■ 90.7500, -36.6820,
15.0140

■ 90.7500, -36.6820,
15.0140

■ 79.5090, -43.1930,
17.3750

■ 101.9910,
-30.1710, 12.6530

■ 68.5670, -49.1080,
19.9480

■ 113.5200,
-24.5310, 9.5570

■ 56.7390, -55.3440,
22.8320

■ 124.7610,
-18.0200, 7.1960

■ 45.4980, -61.8550,
25.1930

■ 136.0020,
-11.5090, 4.8350

■ 43.7260, -62.4970,
25.8150

■ 146.9440, -5.5940,
2.2620

■ 158.7720, 0.6420,
-0.6220

■ 170.0130, 7.1530,
-2.9830

■ 181.2540, 13.6640,
-5.3440

■ 192.1960, 19.5790,
-7.9170

Harmonies

Analogous

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



77.1850, -78.1720, -3.9960



90.7500, -36.6820, 15.0140



96.1420, 3.6170, 28.0730

Triad

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



90.7500, -36.6820, 15.0140



91.5640, 51.2580, 7.1780



72.0600, -54.0960, -32.8480

Complementary

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



90.7500, -36.6820, 15.0140



131.2500, 36.6820, -15.0140

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.



83.2210, -9.0730, -28.3130



90.7500, -36.6820, 15.0140



90.5220, 41.9080, -10.6040

Square

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



90.7500, -36.6820, 15.0140



92.3920, 49.4670, 23.1230



87.7810, 21.6450, -23.3390



76.5230, -65.2850, -22.7970

Rectangle

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



90.7500, -36.6820, 15.0140



95.5590, 24.4320, 30.8000



87.7810, 21.6450, -23.3390



72.6110, -45.5220, -34.0500

Sweetspot

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



90.7500, -36.6820, 15.0140



177.6750, -14.9020, 5.7540



126.5280, -46.4860, -27.5900



86.0300, -8.7120, 3.7040



230.0000, -0.0000, 0.0000



102.0000, -0.0000, -0.0000

Same Dimension

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



90.7500, -36.6820, 15.0140



101.3690, -57.1780, 23.0300



81.4680, -17.6120, 32.8520



73.0860, -3.1180, 1.4420



39.7820, -56.9030, 23.5530



4.0580, -5.9150, 2.5730

Inverse Universe

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



95.4720, 46.4860, 27.5900



108.4310, 72.0670, 43.0670



140.5320, 17.6120, -32.8520



73.6200, 4.1260, 2.3180



47.3170, 72.3880, 42.7560



4.9410, 7.6560, 4.4240

Previews

White Background



This preview shows how the YIQ color 90.7500, -36.6820, 15.0140 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 × Fail

Black Background



This preview shows how the YIQ color 90.7500, -36.6820, 15.0140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

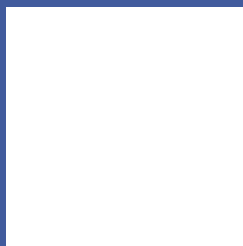
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 90.7500, -36.6820, 15.0140

Background



This preview shows how black text looks on a background with the YIQ color 90.7500, -36.6820, 15.0140.



This preview shows how white text looks on a background with the YIQ color 90.7500, -36.6820,

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

90.7500, -36.6820, 15.0140

Protanopia

90.7500, -36.6820, 15.0140

Deuteranopia

87.9120, -46.1260, 9.9540



Tritanopia

85.2820, -36.2650, -9.0730

Trichromacy



Original Color

90.7500, -36.6820, 15.0140

Protanomaly

90.7500, -36.6820, 15.0140

Deuteranomaly

88.8200, -42.8710, 11.5370

Tritanomaly

86.9650, -36.4500, -0.2100

Monochromacy



Original Color

90.7500, -36.6820, 15.0140

Achromatopsia

91.0000, -0.0000, -0.0000

Achromatomaly

91.0450, -13.0680, 5.5560

CSS Examples

Text

The CSS property to change the color of the text to YIQ 90.7500, -36.6820, 15.0140 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(65, 91, 157)` looks like.

```
.text, #text, p{  
    color:rgb(65, 91, 157)  
}
```

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(65, 91, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 91, 157) }
```

Border

The CSS property to change the border of an element to YIQ 90.7500, -36.6820, 15.0140 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(65, 91, 157) }
```


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

```
.border{ border-color:rgb(65, 91, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 91, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 91, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 91, 157);  
box-shadow:4px 4px 4px 4px rgb(65, 91,  
157) }
```

Background

The CSS property to change the background color of an element to YIQ 90.7500, -36.6820, 15.0140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 91, 157) }
```

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

```
.background{ background-color: rgb(65, 91,  
157) }
```

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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