

Converting Colors

YIQ(93.2020, 12.5560, 36.7800)

Have a look what the booklet for
YIQ(93.2020, 12.5560, 36.7800)
contains.

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Color

**YIQ(93.2020, 12.5560,
36.7800)**

Conversions

Conversions Part 1

Format	Color
Hex	80428E
RGB	128, 66, 142
RGB Percent	50%, 26%, 56%
CMY	0.4978, 0.7413, 0.4431
CMYK	0.10, 0.54, 0.00, 0.44
HSL	289°, 37%, 41%
HSV	289°, 54%, 56%
XYZ	15.7386, 10.4394, 26.7758
YIQ	93.2020, 12.5560, 36.7800

Conversions

Conversions Part 2

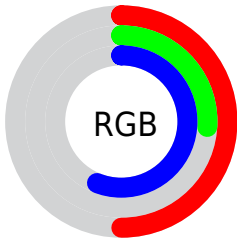
Format	Color
RYB	128, 66, 142
Decimal	8405646
CIELab	38.62, 39.14, -31.13
CIELCh	39, 50.007, 321.500
Yxy	10.4394, 0.2972, 0.1971
Android (android.graphics.Color)	4286595726 (0xFF80428E)
YUV	93.2020, 24.0574, 30.5178
Hunter-Lab	32.3100, 30.4068, -26.5174

Details

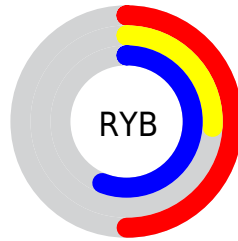
The YIQ color **93.2020, 12.5560, 36.7800** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **114.7980, -12.5560, -36.7800**, and the grayscale version is **93.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **145.7400, 13.9770, 38.5610**, and **41.9030, 11.9600, 36.5680** is the 20% darker color. If you saturate the color by 10%, you get **84.0870, 14.6180, 43.4660**, and if you desaturate by 10%, it is **102.3170, 10.4940, 30.0940**.

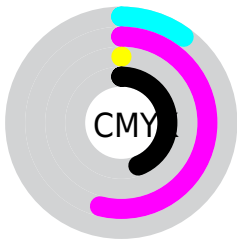
Distribution



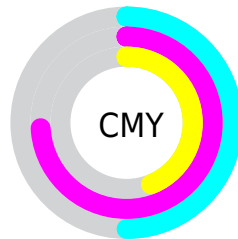
- Red (50%)
- Green (26%)
- Blue (56%)



- Red (50%)
- Yellow (26%)
- Blue (56%)



- Cyan (10%)
- Magenta (54%)
- Yellow (0%)
- Black (44%)



- Cyan (50%)
- Magenta (74%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 93.2020, 12.5560, 36.7800 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 93.2020, 12.5560, 36.7800 by changing the saturation by 10% instead.

93.2020, 12.5560,
36.7800

93.2020, 12.5560,
36.7800

255.0000, -0.0000,
-0.0000

67.7890, 12.2810,
36.2570

145.7400, 13.9770,
38.5610

41.9030, 11.9600,
36.5680

172.5660, 14.5270,
39.6070

23.1860, 9.4850,
31.8610

200.3920, 15.0770,
40.6530

14.6980, 4.6270,
20.7790

221.5410, 15.6750,
29.8110

3.2090, -7.6580,
6.6300

237.9770, 7.9750,
15.1670

0.0000, 0.0000,
0.0000

■ 93.2020, 12.5560,
36.7800

■ 93.2020, 12.5560,
36.7800

■ 84.0870, 14.6180,
43.4660

■ 102.3170, 10.4940,
30.0940

■ 75.2710, 17.2760,
50.3640

■ 111.1330, 7.8360,
23.1960

■ 65.5690, 19.6130,
57.5730

■ 120.8350, 5.4990,
15.9870

■ 56.7530, 22.2710,
64.4710

■ 129.6510, 2.8410,
9.0890

■ 50.8720, 23.5540,
68.7540

■ 138.7660, 0.7790,
2.4030

■ 147.8810, -1.2830,
-4.2830

■ 156.6970, -3.9410,
-11.1810

■ 166.3990, -6.2780,

-18.3900

■ 175.2150, -8.9360,
-25.2880

Harmonies

Analogous

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



88.3680, -38.2420, 21.2620



93.2020, 12.5560, 36.7800



88.1490, 46.4380, 39.4780

Triad

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



93.2020, 12.5560, 36.7800



85.7750, 48.1450, -19.0150



77.6630, -68.4950, -19.6870

Complementary

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



93.2020, 12.5560, 36.7800



114.7980, -12.5560, -36.7800

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.



72.8750, -55.0130, -32.7490



93.2020, 12.5560, 36.7800



82.0440, 21.9220, -33.8700

Square

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



93.2020, 12.5560, 36.7800



87.2460, 60.8410, 4.2090



72.9150, -26.1270, -38.6310



80.3650, -78.8590, -8.0670

Rectangle

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



93.2020, 12.5560, 36.7800



85.6910, 59.2310, 33.3990



72.9150, -26.1270, -38.6310



76.6540, -64.2760, -24.5640

Sweetspot

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



93.2020, 12.5560, 36.7800



164.5960, 4.6740, 14.4180



83.4690, -28.5210, 15.7910



80.5370, 3.1620, 8.7780



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000

Same Dimension

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



93.2020, 12.5560, 36.7800



108.1560, 19.3380, 57.0500



94.7660, 28.2830, 32.5950



66.5920, 1.3290, 3.4490



48.2800, 22.2250, 65.3050



2.7060, 1.0080, 3.7600

Inverse Universe

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



90.3200, 40.8020, 20.4660



103.7900, 63.2660, 31.8580



113.2340, -28.2830, -32.5950



66.3210, 3.5300, 2.1060



43.2150, 72.4350, 36.3950



2.5060, 4.4470, 2.0070

Previews

White Background



This preview shows how the YIQ color 93.2020, 12.5560, 36.7800 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 93.2020, 12.5560, 36.7800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

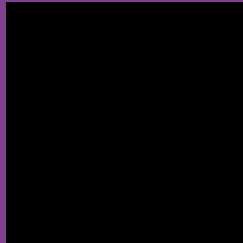
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 93.2020, 12.5560, 36.7800

Background



This preview shows how black text looks on a background with the YIQ color 93.2020, 12.5560, 36.7800.



This preview shows how white text looks on a background with the YIQ color 93.2020, 12.5560,

36.7800.

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

93.2020, 12.5560, 36.7800

Protanopia

87.5690, -43.4220, 16.0180

Deuteranopia

89.9650, -27.2820, 9.8540



Tritanopia

92.6440, 21.9140, 10.3460

Trichromacy



Original Color

93.2020, 12.5560, 36.7800

Protanomaly

89.7350, -23.1580, 23.2260

Deuteranomaly

91.1890, -12.9330, 19.6350

Tritanomaly

92.8860, 18.6570, 19.8170

Monochromacy



Original Color

93.2020, 12.5560, 36.7800

Achromatopsia

93.0000, -0.0000, -0.0000

Achromatomaly

93.0690, 4.7200, 13.5840

CSS Examples

Text

The CSS property to change the color of the text to YIQ 93.2020, 12.5560, 36.7800 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(128, 66, 142)` looks like.

```
.text, #text, p{  
    color:rgb(128, 66, 142)  
}
```

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(128, 66, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 66, 142) }
```

Border

The CSS property to change the border of an element to YIQ 93.2020, 12.5560, 36.7800 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(128, 66, 142) }
```


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

```
.border{ border-color:rgb(128, 66, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 66, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 66, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 66, 142);  
box-shadow:4px 4px 4px 4px rgb(128, 66,  
142) }
```

Background

The CSS property to change the background color of an element to YIQ 93.2020, 12.5560, 36.7800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 66, 142) }
```

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

```
.background{ background-color: rgb(128, 66,  
142) }
```

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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