

Converting Colors

YIQ(12.0520, -5.7780, 5.5980)

Have a look what the booklet for
YIQ(12.0520, -5.7780, 5.5980)
contains.

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Color

**YIQ(12.0520, -5.7780,
5.5980)**

Conversions

Conversions Part 1

Format	Color
Hex	0A0A1C
RGB	10, 10, 28
RGB Percent	4%, 4%, 11%
CMY	0.9608, 0.9608, 0.8902
CMYK	0.64, 0.64, 0.00, 0.89
HSL	240°, 47%, 7%
HSV	240°, 64%, 11%
XYZ	0.4432, 0.3654, 1.1452
YIQ	12.0520, -5.7780, 5.5980

Conversions

Conversions Part 2

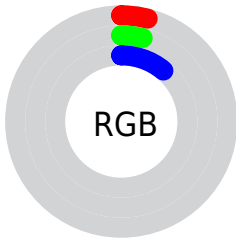
Format	Color
RYB	10, 10, 28
Decimal	657948
CIELab	3.30, 3.93, -10.54
CIELCh	3, 11.251, 290.440
Yxy	0.3654, 0.2269, 0.1870
Android (android.graphics.Color)	4278848028 (0xFF0A0A1C)
YUV	12.0520, 7.8624, -1.7996
Hunter-Lab	6.0451, 2.5093, -7.0005

Details

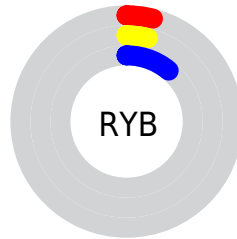
The YIQ color **12.0520, -5.7780, 5.5980** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **25.9480, 5.7780, -5.5980**, and the grayscale version is **12.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **55.6390, -6.0530, 5.0750**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **9.3940, -6.7410, 6.5310**, and if you desaturate by 10%, it is **14.7100, -4.8150, 4.6650**.

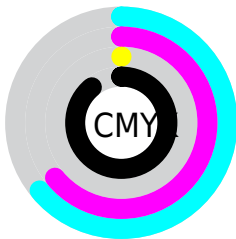
Distribution



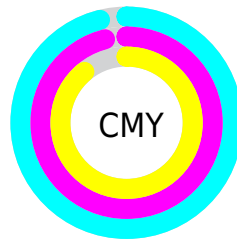
- Red (4%)
- Green (4%)
- Blue (11%)



- Red (4%)
- Yellow (4%)
- Blue (11%)



- Cyan (64%)
- Magenta (64%)
- Yellow (0%)
- Black (89%)



- Cyan (96%)
- Magenta (96%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 12.0520, -5.7780, 5.5980 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 12.0520, -5.7780, 5.5980 by changing the saturation by 10% instead.

■ 12.0520, -5.7780,
5.5980

■ 12.0520, -5.7780,
5.5980

■ 236.3940, -6.7410,
6.5310

■ 0.0000, 0.0000,
0.0000

■ 55.6390, -6.0530,
5.0750

■ 78.7530, -6.3740,
5.3860

■ 102.8670, -6.6950,
5.6970

■ 127.8670, -6.6950,
5.6970

■ 153.9810, -7.0160,
6.0080

■ 180.3940, -6.7410,

6.5310

■ 208.3940, -6.7410,
6.5310

■ 12.0520, -5.7780,
5.5980

■ 12.0520, -5.7780,
5.5980

■ 9.3940, -6.7410,
6.5310

■ 14.7100, -4.8150,
4.6650

■ 6.7360, -7.7040,
7.4640

■ 17.3680, -3.8520,
3.7320

■ 4.9640, -8.3460,
8.0860

■ 19.1400, -3.2100,
3.1100

■ 3.1920, -8.9880,
8.7080

■ 21.7980, -2.2470,
2.1770

■ 24.4560, -1.2840,
1.2440

■ 27.1140, -0.3210,
0.3110

■ 29.7720, 0.6420,
-0.6220

■ 31.5440, 1.2840,
-1.2440

■ 34.2020, 2.2470,
-2.1770

Harmonies

Analogous

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



11.5240, -13.1590, 1.6970



12.0520, -5.7780, 5.5980



12.8360, 3.7580, 8.9900

Triad

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



12.0520, -5.7780, 5.5980



11.8940, 15.0380, 2.7980



11.3640, -7.1970, -7.2370

Complementary

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



12.0520, -5.7780, 5.5980



25.9480, 5.7780, -5.5980

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.



9.9790, -4.6750, -8.8910



12.0520, -5.7780, 5.5980



11.8500, 9.1700, -0.9900

Square

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



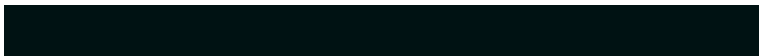
12.0520, -5.7780, 5.5980



11.3720, 16.6880, 5.9360



10.6100, 0.9180, -5.6260



12.7320, -11.0490, -3.5050

Rectangle

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



12.0520, -5.7780, 5.5980



12.5870, 8.8930, 9.5410



10.6100, 0.9180, -5.6260



10.7940, -5.5920, -8.7920

Sweetspot

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



12.0520, -5.7780, 5.5980



29.7980, -2.2470, 2.1770



22.6180, -10.7280, -3.8160



14.4560, -1.2840, 1.2440



145.0000, 0.0000, -0.0000



18.0000, -0.0000, 0.0000

Same Dimension

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



12.0520, -5.7780, 5.5980



11.1920, -8.9880, 8.7080



14.7430, -0.4140, 7.5060



11.2280, -0.6420, 0.6220



8.7780, -24.7170, 23.9470



23.2560, -65.4840, 63.4440

Inverse Universe

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



17.4340, 4.9500, 9.4140



19.5640, 7.7000, 14.6440



23.2570, 0.4140, -7.5060



11.8260, 0.5500, 1.0460



31.6870, 21.4960, 39.9600



84.2520, 56.1000, 106.6920

Previews

White Background



This preview shows how the YIQ color 12.0520, -5.7780, 5.5980 looks on a white background.

Color Contrast Check

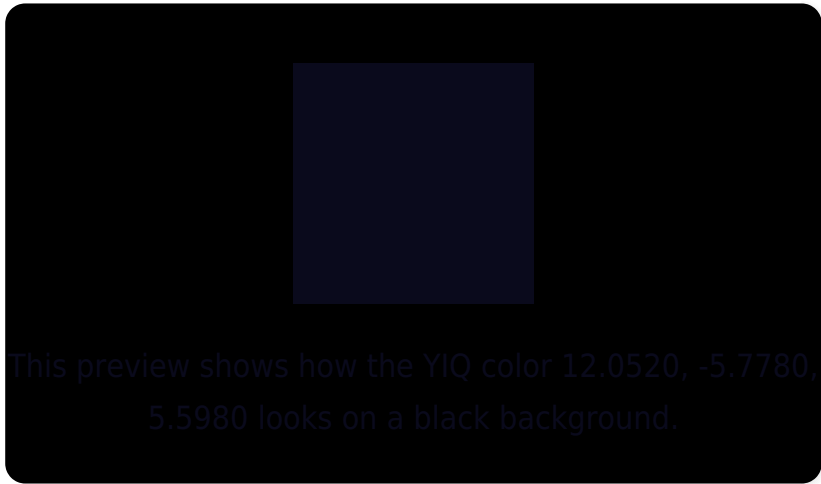
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

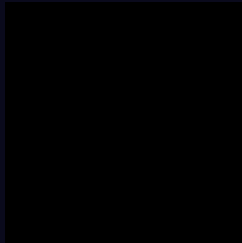
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 12.0520, -5.7780, 5.5980

Background



This preview shows how black text looks on a background with the YIQ color 12.0520, -5.7780, 5.5980.



This preview shows how white text looks on a background with the YIQ color 12.0520, -5.7780,

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

12.0520, -5.7780, 5.5980

Protanopia

9.8940, -11.3250, 1.4990

Deuteranopia

10.1390, -10.6370, 0.0430



Tritanopia

9.9280, -8.6650, -2.6570

Trichromacy



Original Color

12.0520, -5.7780, 5.5980

Protanomaly

10.6170, -8.9870, 3.1810

Deuteranomaly

10.9760, -8.6200, 2.0360

Tritanomaly

11.1070, -7.6110, 0.2690

Monochromacy



Original Color

12.0520, -5.7780, 5.5980

Achromatopsia

12.0000, -0.0000, 0.0000

Achromatomaly

11.7980, -2.2470, 2.1770

CSS Examples

Text

The CSS property to change the color of the text to YIQ 12.0520, -5.7780, 5.5980 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(10, 10, 28)` looks like.

```
.text, #text, p{  
    color:rgb(10, 10, 28)  
}
```

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(10, 10, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 10, 28) }
```

Border

The CSS property to change the border of an element to YIQ 12.0520, -5.7780, 5.5980 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(10, 10, 28) }
```


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

```
.border{ border-color:rgb(10, 10, 28) }
```

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

Here you see how a box with a 4 pixel rgb(10, 10, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 10, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 10, 28);  
box-shadow:4px 4px 4px 4px rgb(10, 10, 28)  
}
```

Background

The CSS property to change the background color of an element to YIQ 12.0520, -5.7780, 5.5980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 10, 28) }
```

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

```
.background{ background-color: rgb(10, 10,  
28) }
```

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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