

Converting Colors

YIQ(20.4560, 17.0520, 21.3720)

Have a look what the booklet for
YIQ(20.4560, 17.0520, 21.3720)
contains.

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Color

**YIQ(20.4560, 17.0520,
21.3720)**

Conversions

Conversions Part 1

Format	Color
Hex	320226
RGB	50, 2, 38
RGB Percent	20%, 1%, 15%
CMY	0.8038, 0.9922, 0.8509
CMYK	0.00, 0.96, 0.24, 0.80
HSL	315°, 92%, 10%
HSV	315°, 96%, 20%
XYZ	1.6886, 0.8620, 1.9120
YIQ	20.4560, 17.0520, 21.3720

Conversions

Conversions Part 2

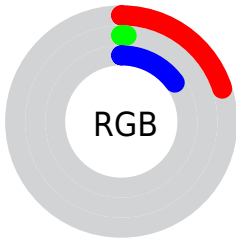
Format	Color
R_{YB}	50, 2, 38
Decimal	3277350
CIE Lab	7.79, 27.94, -10.97
CIE LCh	8, 30.018, 338.558
Yxy	0.8620, 0.3784, 0.1932
Android (android.graphics.Color)	4281467430 (0xFF320226)
YUV	20.4560, 8.6492, 25.9101
Hunter-Lab	9.2843, 16.2178, -5.7109




Details

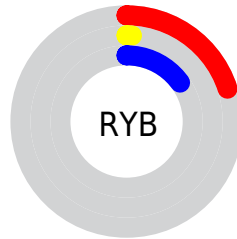
The YIQ color **20.4560, 17.0520, 21.3720** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **31.5440, -17.0520, -21.3720**, and the grayscale version is **20.0000, 0.0000, -0.0000**.




A 20% lighter version of the original color is **67.2390, 19.1610, 21.6970**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **19.2820, 17.6020, 22.4180**, and if you desaturate by 10%, it is **23.5050, 15.3560, 19.0680**.

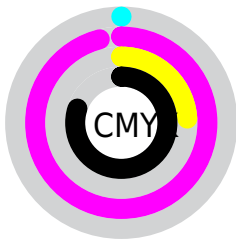
Distribution







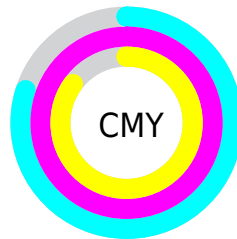
-  Red (20%)
-  Green (1%)
-  Blue (15%)






-  Red (20%)
-  Yellow (1%)
-  Blue (15%)



-  Cyan (0%)
-  Magenta (96%)
-  Yellow (24%)
-  Black (80%)



-  Cyan (80%)
-  Magenta (99%)
-  Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 20.4560, 17.0520, 21.3720 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 20.4560, 17.0520, 21.3720 by changing the saturation by 10% instead.

■ 20.4560, 17.0520,
21.3720

■ 20.4560, 17.0520,
21.3720

■ 240.3250, 6.8750,
13.0750

■ 10.6090, 11.8270,
11.4350

■ 67.2390, 19.1610,
21.6970

■ 0.0000, 0.0000,
0.0000

■ 91.5380, 19.7570,
21.9090

■ 116.5490, 21.2240,
22.8560


■ 142.3750, 21.7740,
23.9020


■ 169.6740, 22.3700,
24.1140


■ 196.6850, 23.8370,


25.0610


 222.4070, 18.7480,
23.6760


 20.4560, 17.0520,
21.3720


 20.4560, 17.0520,
21.3720


 19.2820, 17.6020,
22.4180

 23.5050, 15.3560,
19.0680

 26.6680, 13.3390,
17.0750

 29.7170, 11.6430,
14.7710

 32.7660, 9.9470,
12.4670

 35.8150, 8.2510,
10.1630

■ 38.9780, 6.2340,
8.1700

■ 42.0270, 4.5380,
5.8660

■ 45.0760, 2.8420,
3.5620

■ 48.1250, 1.1460,
1.2580

Harmonies

Analogous

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



23.1590, -4.2210, 15.9310



20.4560, 17.0520, 21.3720



19.0950, 28.1940, 17.6820

Triad

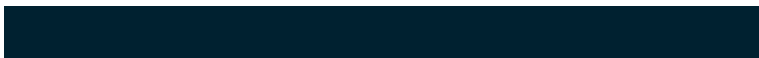
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.4560, 17.0520, 21.3720



21.5630, 8.3000, -7.2520



24.8430, -24.4830, -2.3310

Complementary

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



20.4560, 17.0520, 21.3720



31.5440, -17.0520, -21.3720

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.



23.1500, -18.3380, -9.0740



20.4560, 17.0520, 21.3720



17.6100, -8.2500, -15.6900

Square

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



20.4560, 17.0520, 21.3720



22.5370, 20.3570, 0.0130



19.3710, -9.0750, -17.2590



24.4500, -27.5100, 2.9700

Rectangle

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



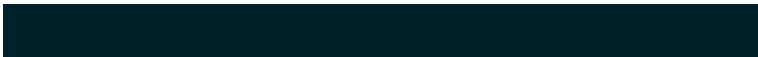
20.4560, 17.0520, 21.3720



17.3310, 33.1010, 11.3490



19.3710, -9.0750, -17.2590



24.1590, -22.5570, -4.1970

Sweetspot

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



20.4560, 17.0520, 21.3720



54.2770, 6.8300, 8.3820



11.0600, -8.2560, 17.4720



26.2010, 3.9880, 4.8200



161.0000, -0.0000, -0.0000



33.0000, -0.0000, -0.0000

Same Dimension

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



20.4560, 17.0520, 21.3720



25.4340, 23.2860, 29.5420



17.7200, 24.7560, 13.9080



24.1250, 1.1460, 1.2580



34.2490, 31.5370, 39.7050



83.4650, 77.0090, 96.6970

Inverse Universe

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



20.4560, 17.0520, 21.3720



25.4340, 23.2860, 29.5420



34.2800, -24.7560, -13.9080



24.1250, 1.1460, 1.2580



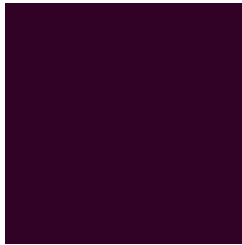
34.2490, 31.5370, 39.7050



83.4650, 77.0090, 96.6970

Previews

White Background



This preview shows how the YIQ color 20.4560, 17.0520, 21.3720 looks on a white background.

Color Contrast Check

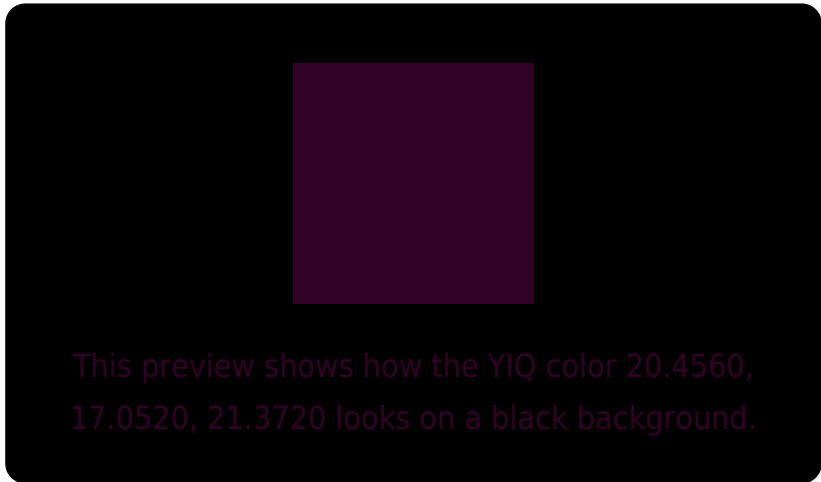
Large Text (above 18pt) WCAG AA ✓ Pass

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

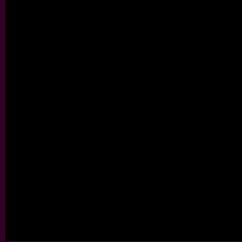
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 20.4560, 17.0520, 21.3720

Background



This preview shows how black text looks on a background with the YIQ color 20.4560, 17.0520, 21.3720.



This preview shows how white text looks on a background with the YIQ color 20.4560, 17.0520,

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

20.4560, 17.0520, 21.3720

Protanopia

24.1090, -19.1200, 5.1040

Deuteranopia

27.4280, -4.0810, 2.3750



Tritanopia

24.9810, 19.3470, 7.3070

Trichromacy



Original Color

20.4560, 17.0520, 21.3720

Protanomaly

22.6270, -5.7790, 11.1250

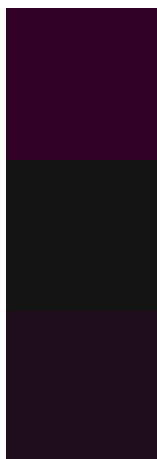
Deuteranomaly

24.9500, 3.4370, 9.3010

Tritanomaly

23.2570, 18.7500, 12.6220

Monochromacy



Original Color

20.4560, 17.0520, 21.3720

Achromatopsia

20.0000, 0.0000, -0.0000

Achromatomaly

19.9780, 6.2340, 8.1700

CSS Examples

Text

The CSS property to change the color of the text to YIQ 20.4560, 17.0520, 21.3720 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(50, 2, 38)` looks like.

```
.text, #text, p{  
    color:rgb(50, 2, 38)  
}
```

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(50, 2, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 2, 38) }
```

Border

The CSS property to change the border of an element to YIQ 20.4560, 17.0520, 21.3720 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(50, 2, 38) }
```


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

```
.border{ border-color:rgb(50, 2, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 2, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 2, 38); -webkit-box-shadow:4px  
4px 4px 4px rgb(50, 2, 38); box-shadow:4px  
4px 4px 4px rgb(50, 2, 38) }
```

Background

The CSS property to change the background color of an element to YIQ 20.4560, 17.0520, 21.3720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 2, 38) }
```

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

```
.background{ background-color: rgb(50, 2,  
38) }
```

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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