

Converting Colors

YIQ(20.4530, 11.9660, 3.4060)

Have a look what the booklet for
YIQ(20.4530, 11.9660, 3.4060)
contains.

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Color

**YIQ(20.4530, 11.9660,
3.4060)**

Conversions

Conversions Part 1

Format	Color
Hex	220F0D
RGB	34, 15, 13
RGB Percent	13%, 6%, 5%
CMY	0.8666, 0.9412, 0.9490
CMYK	0.00, 0.56, 0.62, 0.87
HSL	6°, 45%, 9%
HSV	6°, 62%, 13%
XYZ	0.9035, 0.7108, 0.4708
YIQ	20.4530, 11.9660, 3.4060

Conversions

Conversions Part 2

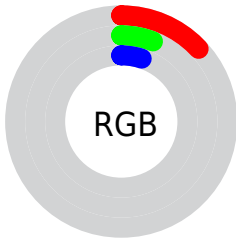
Format	Color
RYB	34, 15, 13
Decimal	2232077
CIELab	6.42, 9.28, 4.34
CIELCh	6, 10.240, 25.052
Yxy	0.7108, 0.4333, 0.3409
Android (android.graphics.Color)	4280422157 (0xFF220F0D)
YUV	20.4530, -3.6743, 11.8807
Hunter-Lab	8.4308, 4.3752, 2.5909

Details

The YIQ color **20.4530, 11.9660, 3.4060** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **26.5470, -11.9660, -3.4060**, and the grayscale version is **20.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **63.4640, 13.4330, 4.3530**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **18.3500, 13.7540, 4.0420**, and if you desaturate by 10%, it is **22.5560, 10.1780, 2.7700**.

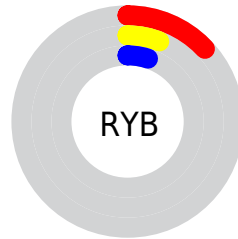
Distribution



Red (13%)

Green (6%)

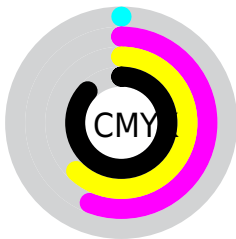
Blue (5%)



Red (13%)

Yellow (6%)

Blue (5%)

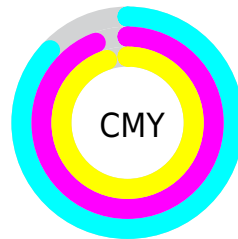


Cyan (0%)

Magenta (56%)

Yellow (62%)

Black (87%)



Cyan (87%)

Magenta (94%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 20.4530, 11.9660, 3.4060 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 20.4530, 11.9660, 3.4060 by changing the saturation by 10% instead.

■ 20.4530, 11.9660,
3.4060

■ 20.4530, 11.9660,
3.4060

■ 242.9690, 10.4530,
3.2930

■ 0.0000, 0.0000,
0.0000

■ 63.4640, 13.4330,
4.3530

■ 86.7630, 14.0290,
4.5650

■ 111.0620, 14.6250,
4.7770

■ 137.2470, 15.5420,
4.6780

■ 163.2470, 15.5420,
4.6780

■ 190.5460, 16.1380,

4.8900

■ 218.1440, 17.3300,
5.3140

■ 20.4530, 11.9660,
3.4060

■ 20.4530, 11.9660,
3.4060

■ 18.3500, 13.7540,
4.0420

■ 22.5560, 10.1780,
2.7700

■ 16.1330, 15.8630,
4.3670

■ 24.7730, 8.0690,
2.4450

■ 14.0300, 17.6510,
5.0030

■ 26.8760, 6.2810,
1.8090

■ 11.9270, 19.4390,
5.6390

■ 29.0930, 4.1720,
1.4840

■ 31.1960, 2.3840,
0.8480

■ 33.2990, 0.5960,
0.2120

■ 36.1030, -1.7880,
-0.6360

■ 38.2060, -3.5760,
-1.2720

■ 40.4230, -5.6850,
-1.5970

Harmonies

Analogous

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



21.1800, 8.4810, 5.9930



20.4530, 11.9660, 3.4060



19.8890, 13.4340, -1.1740

Triad

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



20.4530, 11.9660, 3.4060



17.5060, -4.7210, -8.0570



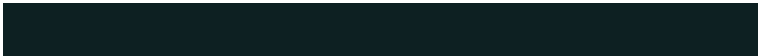
18.5950, -11.9210, 1.2870

Complementary

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



20.4530, 11.9660, 3.4060



26.5470, -11.9660, -3.4060

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.



17.0350, -16.2760, -2.3880



20.4530, 11.9660, 3.4060



16.8410, -12.9740, -7.1660

Square

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



20.4530, 11.9660, 3.4060



19.0080, 5.5490, -6.9550



17.6390, -15.2210, -4.9890



20.8950, -3.8980, 4.5660

Rectangle

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



20.4530, 11.9660, 3.4060



19.5360, 12.9300, -3.0540



17.6390, -15.2210, -4.9890



17.8720, -14.2590, -0.3950

Sweetspot

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



20.4530, 11.9660, 3.4060



37.9790, 4.4930, 1.1730



21.4450, 6.4170, 10.3610



19.4950, 2.9800, 1.0600



150.0000, -0.0000, -0.0000



23.0000, 0.0000, -0.0000

Same Dimension

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



20.4530, 11.9660, 3.4060



22.3290, 18.2470, 5.2150



26.3230, 9.2160, -1.8240



16.5980, 1.1920, 0.4240



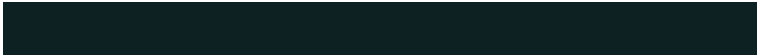
29.2140, 46.6720, 13.2000



74.2310, 119.0640, 33.8480

Inverse Universe

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



26.5470, -11.9660, -3.4060



31.6710, -18.2470, -5.2150



20.6770, -9.2160, 1.8240



17.4020, -1.1920, -0.4240



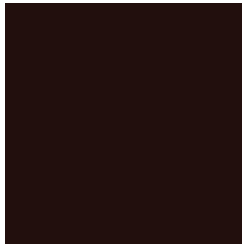
52.7860, -46.6720, -13.2000



134.7690, -119.0640, -33.8480

Previews

White Background



This preview shows how the YIQ color 20.4530, 11.9660, 3.4060 looks on a white background.

Color Contrast Check

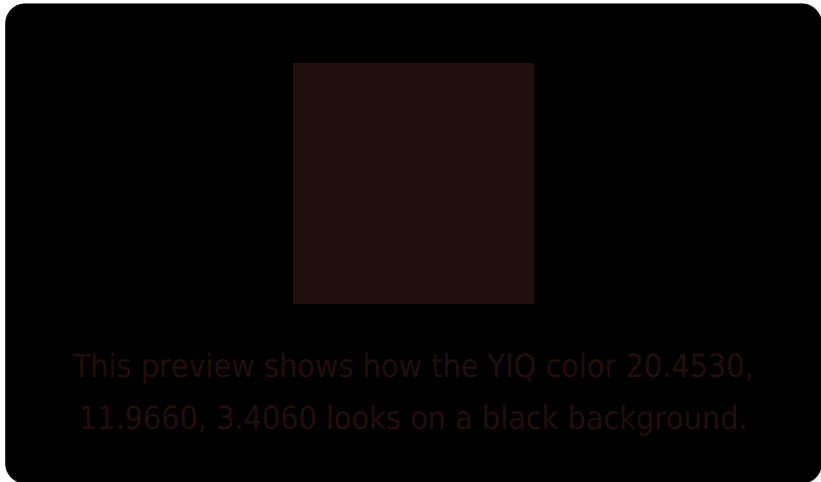
Large Text (above 18pt) WCAG AA ✓ Pass

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

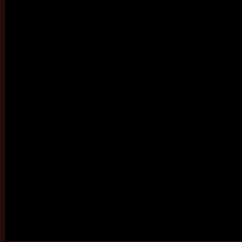
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 20.4530, 11.9660, 3.4060

Background



This preview shows how black text looks on a background with the YIQ color 20.4530, 11.9660, 3.4060.



This preview shows how white text looks on a background with the YIQ color 20.4530, 11.9660,

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

20.4530, 11.9660, 3.4060

Protanopia

20.9140, 3.1180, -1.4420

Deuteranopia

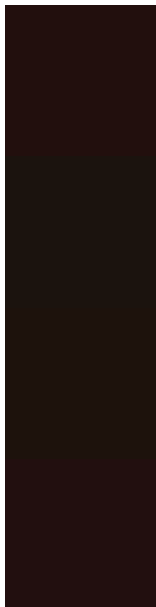
20.8820, 6.1440, -1.2160



Tritanopia

20.7950, 11.0030, 4.3390

Trichromacy



Original Color

20.4530, 11.9660, 3.4060

Protanomaly

20.8220, 6.3730, 0.1410

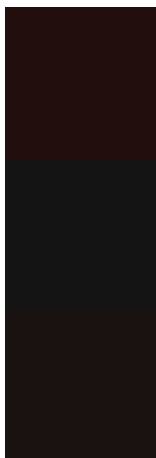
Deuteranomaly

20.6050, 8.4820, 0.4660

Tritanomaly

20.6810, 11.3240, 4.0280

Monochromacy



Original Color

20.4530, 11.9660, 3.4060

Achromatopsia

20.0000, 0.0000, -0.0000

Achromatomaly

19.9790, 4.4930, 1.1730

CSS Examples

Text

The CSS property to change the color of the text to YIQ 20.4530, 11.9660, 3.4060 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(34, 15, 13)` looks like.

```
.text, #text, p{  
    color:rgb(34, 15, 13)  
}
```

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(34, 15, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 15, 13) }
```

Border

The CSS property to change the border of an element to YIQ 20.4530, 11.9660, 3.4060 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(34, 15, 13) }
```


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

```
.border{ border-color:rgb(34, 15, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 15, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 15, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 15, 13);  
box-shadow:4px 4px 4px 4px rgb(34, 15, 13)  
}
```

Background

The CSS property to change the background color of an element to YIQ 20.4530, 11.9660, 3.4060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 15, 13) }
```

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

```
.background{ background-color: rgb(34, 15,  
13) }
```

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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