

Converting Colors

YIQ(45.5010, -23.5200, -3.2640)

Have a look what the booklet for
YIQ(45.5010, -23.5200, -3.2640)
contains.

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Color

**YIQ(45.5010, -23.5200,
-3.2640)**

Conversions

Conversions Part 1

Format	Color
Hex	153642
RGB	21, 54, 66
RGB Percent	8%, 21%, 26%
CMY	0.9177, 0.7882, 0.7413
CMYK	0.68, 0.18, 0.00, 0.74
HSL	196°, 52%, 17%
HSV	196°, 68%, 26%
XYZ	2.6113, 3.1919, 5.6287
YIQ	45.5010, -23.5200, -3.2640

Conversions

Conversions Part 2

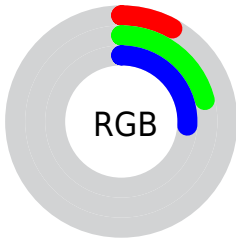
Format	Color
R_{YB}	21, 40, 66
Decimal	1390146
CIE Lab	20.80, -7.73, -11.06
CIE LCh	21, 13.497, 235.039
Yxy	3.1919, 0.2284, 0.2792
Android (android.graphics.Color)	4279580226 (0xFF153642)
YUV	45.5010, 10.1060, -21.4874
Hunter-Lab	17.8659, -5.1756, -6.1733

Details

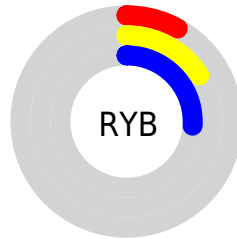
The YIQ color **45.5010, -23.5200, -3.2640** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **41.4990, 23.5200, 3.2640**, and the grayscale version is **45.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **92.9140, -23.2450, -2.7410**, and **6.8450, -9.6290, 3.8030** is the 20% darker color. If you saturate the color by 10%, you get **42.2340, -27.1420, -3.7020**, and if you desaturate by 10%, it is **48.7680, -19.8980, -2.8260**.

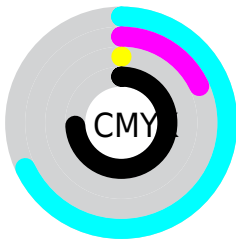
Distribution



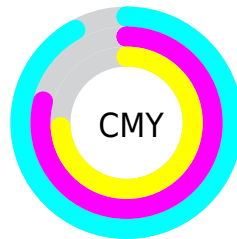
- Red (8%)
- Green (21%)
- Blue (26%)



- Red (8%)
- Yellow (16%)
- Blue (26%)



- Cyan (68%)
- Magenta (18%)
- Yellow (0%)
- Black (74%)



- Cyan (92%)
- Magenta (79%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 45.5010, -23.5200, -3.2640 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 45.5010, -23.5200, -3.2640 by changing the saturation by 10% instead.

■ 45.5010, -23.5200,
-3.2640

■ 45.5010, -23.5200,
-3.2640

■ 255.0000, -0.0000,
-0.0000

■ 24.3870, -23.1990,
-3.5750

■ 92.9140, -23.2450,
-2.7410

■ 6.8450, -9.6290,
3.8030

■ 117.9140,
-23.2450, -2.7410

■ 0.0000, 0.0000,
0.0000

■ 143.7290,
-24.1620, -2.6420

■ 170.1420,
-23.8870, -2.1190

■ 197.8430,
-24.4830, -2.3310

■ 225.5440,

-25.0790, -2.5430

■ 247.2260,
-15.4960, -5.5120

■ 45.5010, -23.5200,
-3.2640

■ 45.5010, -23.5200,
-3.2640

■ 42.2340, -27.1420,
-3.7020

■ 48.7680, -19.8980,
-2.8260

■ 39.8530, -30.4430,
-4.4510

■ 51.7360, -16.8720,
-2.6000

■ 36.5860, -34.0650,
-4.8890

■ 54.4160, -12.9750,
-1.6390

■ 35.7000, -34.3860,
-4.5780

■ 57.3840, -9.9490,
-1.4130

■ 60.6510, -6.3270,
-0.9750

■ 63.9180, -2.7050,
-0.5370

■ 66.2990, 0.5960,
0.2120

■ 69.5660, 4.2180,
0.6500

■ 72.5340, 7.2440,
0.8760

Harmonies

Analogous

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



43.9800, -23.6110, -7.1230



45.5010, -23.5200, -3.2640



48.0830, -16.2310, 2.3050

Triad

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



45.5010, -23.5200, -3.2640



51.5010, 12.0110, 8.0990



48.5240, 4.0360, -7.0680

Complementary

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



45.5010, -23.5200, -3.2640



41.4990, 23.5200, 3.2640

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.



49.5250, 11.4630, -4.0010



45.5010, -23.5200, -3.2640



50.9590, 16.4130, 5.4130

Square

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



45.5010, -23.5200, -3.2640



51.7220, 4.0790, 8.6790



50.0250, 16.0470, 1.0310



47.0930, -4.9960, -8.5800

Rectangle

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



45.5010, -23.5200, -3.2640



49.7850, -9.4000, 5.1600



50.0250, 16.0470, 1.0310



49.0190, 7.0160, -6.0080

Sweetspot

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



45.5010, -23.5200, -3.2640



78.6830, -9.3530, -1.2010



48.6690, -15.9060, -20.1140



38.8360, -5.4100, -1.0740



171.0000, -0.0000, -0.0000



43.0000, -0.0000, -0.0000

Same Dimension

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



45.5010, -23.5200, -3.2640



54.6180, -37.0910, -5.1150



32.5870, -17.4700, 8.2420



31.5160, -1.5130, -0.1130



52.7350, -50.6620, -6.9660



122.3910, -117.2790, -16.6310

Inverse Universe

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



38.2170, 16.2270, 19.8030



43.1570, 25.6240, 31.2240



54.4130, 17.4700, -8.2420



31.1250, 1.1460, 1.2580



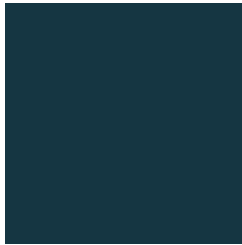
37.0970, 35.0210, 42.6450



85.7860, 80.5390, 98.8030

Previews

White Background



This preview shows how the YIQ color 45.5010, -23.5200, -3.2640 looks on a white background.

Color Contrast Check

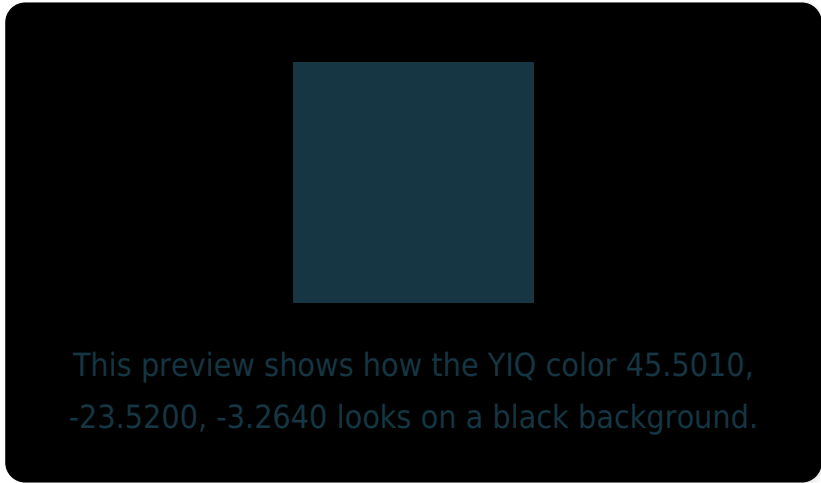
Large Text (above 18pt) WCAG AA ✓ Pass

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

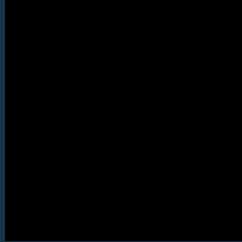
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

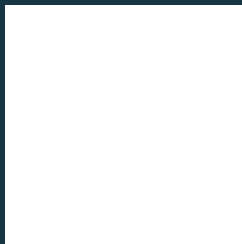
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 45.5010, -23.5200, -3.2640

Background



This preview shows how black text looks on a background with the YIQ color 45.5010, -23.5200, -3.2640.



This preview shows how white text looks on a background with the YIQ color 45.5010, -23.5200,

-3.2640.

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

45.5010, -23.5200, -3.2640

Protanopia

50.5850, -5.9610, 3.4070

Deuteranopia

49.8560, -8.1620, 4.7500



Tritanopia

44.2080, -24.2530, -6.5010

Trichromacy



Original Color

45.5010, -23.5200, -3.2640

Protanomaly

48.5950, -11.9210, 1.2870

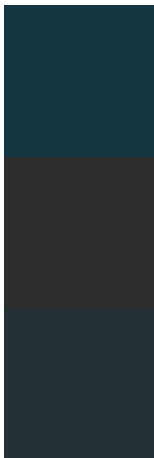
Deuteranomaly

48.3390, -14.0760, 1.7960

Tritanomaly

44.7350, -24.2990, -5.6670

Monochromacy



Original Color

45.5010, -23.5200, -3.2640

Achromatopsia

46.0000, 0.0000, -0.0000

Achromatomaly

45.8680, -8.4360, -1.3000

CSS Examples

Text

The CSS property to change the color of the text to YIQ 45.5010, -23.5200, -3.2640 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(21, 54, 66)` looks like.

```
.text, #text, p{  
    color:rgb(21, 54, 66)  
}
```

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(21, 54, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 54, 66) }
```

Border

The CSS property to change the border of an element to YIQ 45.5010, -23.5200, -3.2640 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(21, 54, 66) }
```


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

```
.border{ border-color:rgb(21, 54, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 54, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 54, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 54, 66);  
box-shadow:4px 4px 4px 4px rgb(21, 54, 66)  
}
```

Background

The CSS property to change the background color of an element to YIQ 45.5010, -23.5200, -3.2640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 54, 66) }
```

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

```
.background{ background-color: rgb(21, 54,  
66) }
```

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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