

Converting Colors

YIQ(51.9450, -24.5300, 4.0300)

Have a look what the booklet for
YIQ(51.9450, -24.5300, 4.0300)
contains.

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Color

**YIQ(51.9450, -24.5300,
4.0300)**

Conversions

Conversions Part 1

Format	Color
Hex	1F3856
RGB	31, 56, 86
RGB Percent	12%, 22%, 34%
CMY	0.8785, 0.7803, 0.6629
CMYK	0.64, 0.35, 0.00, 0.66
HSL	213°, 47%, 23%
HSV	213°, 64%, 34%
XYZ	3.6579, 3.7919, 9.3367
YIQ	51.9450, -24.5300, 4.0300

Conversions

Conversions Part 2

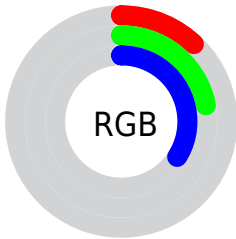
Format	Color
RYB	31, 48, 86
Decimal	2046038
CIELab	22.97, 0.83, -21.00
CIELCh	23, 21.019, 272.269
Yxy	3.7919, 0.2179, 0.2259
Android (android.graphics.Color)	4280236118 (0xFF1F3856)
YUV	51.9450, 16.7891, -18.3688
Hunter-Lab	19.4728, -0.5466, -14.7971

Details

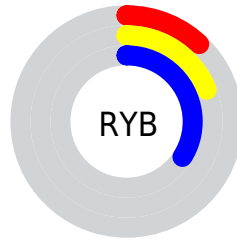
The YIQ color **51.9450, -24.5300, 4.0300** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **65.0550, 24.5300, -4.0300**, and the grayscale version is **52.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **100.1840, -23.7050, 5.5990**, and **11.7180, -16.4610, 6.4750** is the 20% darker color. If you saturate the color by 10%, you get **46.3190, -28.5190, 4.7370**, and if you desaturate by 10%, it is **57.5710, -20.5410, 3.3230**.

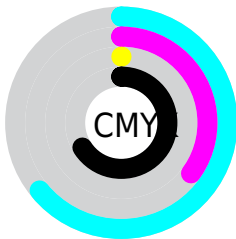
Distribution



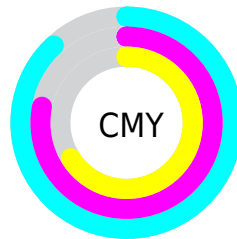
- Red (12%)
- Green (22%)
- Blue (34%)



- Red (12%)
- Yellow (19%)
- Blue (34%)



- Cyan (64%)
- Magenta (35%)
- Yellow (0%)
- Black (66%)



- Cyan (88%)
- Magenta (78%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 51.9450, -24.5300, 4.0300 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 51.9450, -24.5300, 4.0300 by changing the saturation by 10% instead.

■ 51.9450, -24.5300,
4.0300

■ 51.9450, -24.5300,
4.0300

■ 255.0000, -0.0000,
-0.0000

■ 28.6240, -28.0600,
1.9240

■ 100.1840,
-23.7050, 5.5990

■ 11.7180, -16.4610,
6.4750

■ 125.2980,
-24.0260, 5.9100

■ 2.7530, -6.3740,
5.3860

■ 151.4120,
-24.3470, 6.2210

■ 0.0000, 0.0000,
0.0000

■ 177.9390,
-24.3930, 7.0550

■ 205.7540,
-25.3100, 7.1540

■ 231.5880,

-19.2110, 1.2450

251.4120, -7.1520,
-2.5440

51.9450, -24.5300,
4.0300

51.9450, -24.5300,
4.0300

46.3190, -28.5190,
4.7370

57.5710, -20.5410,
3.3230

41.5790, -32.1870,
5.1330

62.3110, -16.8730,
2.9270

35.9530, -36.1760,
5.8400

67.9370, -12.8840,
2.2200

32.6970, -38.3310,
6.3490

73.2640, -9.4910,
1.3010

78.3030, -5.2270,
1.1170

■ 83.9290, -1.2380,
0.4100

■ 89.2560, 2.1550,
-0.5090

■ 94.2950, 6.4190,
-0.6930

■ 99.6220, 9.8120,
-1.6120

Harmonies

Analogous

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



44.5680, -42.8220, -5.8780



51.9450, -24.5300, 4.0300



55.9260, -5.1830, 11.3370

Triad

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



51.9450, -24.5300, 4.0300



55.3900, 25.4450, 6.9250



49.0270, -13.7980, -14.2620

Complementary

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



51.9450, -24.5300, 4.0300



65.0550, 24.5300, -4.0300

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.



51.7640, 3.1200, -12.4960



51.9450, -24.5300, 4.0300



54.5650, 23.1540, -1.1180

Square

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



51.9450, -24.5300, 4.0300



55.9260, 21.1800, 12.6360



53.1570, 15.3150, -7.7330



43.3650, -35.3010, -15.5330

Rectangle

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



51.9450, -24.5300, 4.0300



56.3680, 5.3160, 13.7960



53.1570, 15.3150, -7.7330



49.9630, -7.7460, -13.8100

Sweetspot

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



51.9450, -24.5300, 4.0300



99.2640, -9.4910, 1.3010



66.5910, -24.4340, -19.7460



48.0040, -5.8230, 0.9050



184.0000, 0.0000, -0.0000



56.0000, -0.0000, 0.0000

Same Dimension

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



51.9450, -24.5300, 4.0300



58.6970, -38.3310, 6.3490



37.8680, -16.4630, 17.5290



40.6300, -1.8340, 0.1980



40.9610, -47.8220, 7.6500



89.5990, -104.8600, 17.1240

Inverse Universe

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



50.2950, 24.7550, 19.4350



56.1600, 38.7370, 30.3610



79.1320, 16.4630, -17.5290



40.4240, 1.7420, 1.4700



37.5790, 48.0430, 37.9230



82.4630, 105.7130, 83.0970

Previews

White Background



This preview shows how the YIQ color 51.9450, -24.5300, 4.0300 looks on a white background.

Color Contrast Check

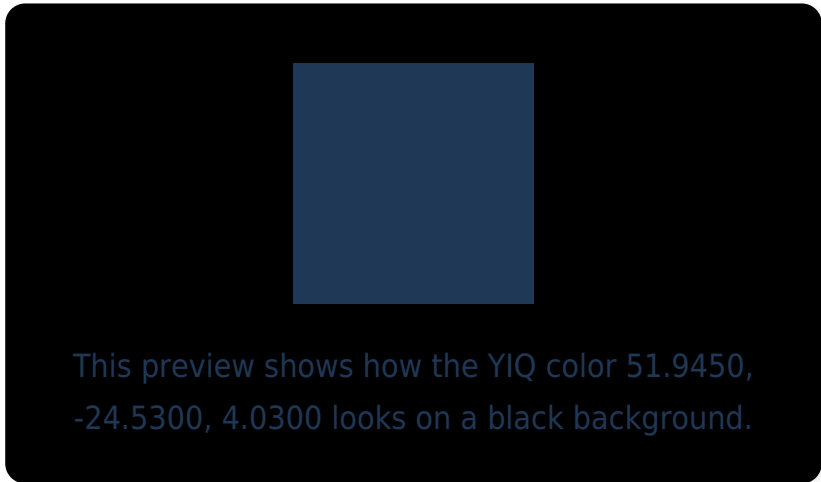
Large Text (above 18pt) WCAG AA ✓ Pass

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

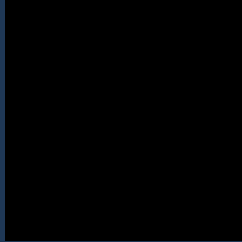
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 51.9450, -24.5300, 4.0300

Background



This preview shows how black text looks on a background with the YIQ color 51.9450, -24.5300, 4.0300.



This preview shows how white text looks on a background with the YIQ color 51.9450, -24.5300,

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

51.9450, -24.5300, 4.0300

Protanopia

54.4300, -15.5900, 7.2100

Deuteranopia

53.4510, -20.0830, 6.0370



Tritanopia

48.6100, -25.4450, -6.9250

Trichromacy



Original Color

51.9450, -24.5300, 4.0300

Protanomaly

53.6360, -19.1660, 5.9380

Deuteranomaly

52.5540, -21.8710, 5.4010

Tritanomaly

50.1310, -25.3540, -3.0660

Monochromacy



Original Color

51.9450, -24.5300, 4.0300

Achromatopsia

52.0000, -0.0000, -0.0000

Achromatomaly

51.5630, -8.8950, 1.5130

CSS Examples

Text

The CSS property to change the color of the text to YIQ 51.9450, -24.5300, 4.0300 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(31, 56, 86)` looks like.

```
.text, #text, p{  
    color:rgb(31, 56, 86)  
}
```

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(31, 56, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 56, 86) }
```

Border

The CSS property to change the border of an element to YIQ 51.9450, -24.5300, 4.0300 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(31, 56, 86) }
```


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

```
.border{ border-color:rgb(31, 56, 86) }
```

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

Here you see how a box with a 4 pixel rgb(31, 56, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 56, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 56, 86);  
box-shadow:4px 4px 4px 4px rgb(31, 56, 86)  
}
```

Background

The CSS property to change the background color of an element to YIQ 51.9450, -24.5300, 4.0300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 56, 86) }
```

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

```
.background{ background-color: rgb(31, 56,  
86) }
```

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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