

Converting Colors

YIQ(20.3520, -24.1180, 7.5780)

Have a look what the booklet for
YIQ(20.3520, -24.1180, 7.5780)
contains.

YIQ(20.3520, -24.1180, 7.5780)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(20.3520, -24.1180,
7.5780)**

Conversions

Conversions Part 1

Format	Color
Hex	02163C
RGB	2, 22, 60
RGB Percent	1%, 9%, 24%
CMY	0.9922, 0.9137, 0.7648
CMYK	0.97, 0.63, 0.00, 0.76
HSL	219°, 94%, 12%
HSV	219°, 97%, 24%
XYZ	1.1268, 0.9129, 4.3874
YIQ	20.3520, -24.1180, 7.5780

Conversions

Conversions Part 2

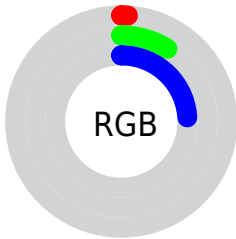
Format	Color
R_{YB}	2, 17, 60
Decimal	136764
CIE _{Lab}	8.24, 9.51, -26.77
CIE _{LCh}	8, 28.406, 289.559
Yxy	0.9129, 0.1753, 0.1420
Android (android.graphics.Color)	4278326844 (0xFF02163C)
YUV	20.3520, 19.5465, -16.0947
Hunter-Lab	9.5547, 4.3301, -20.5368

Details

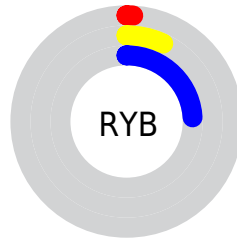
The YIQ color **20.3520, -24.1180, 7.5780** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **41.6480, 24.1180, -7.5780**, and the grayscale version is **20.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **66.3250, -19.4880, 11.7760**, and **2.2970, -5.0900, 4.1420** is the 20% darker color. If you saturate the color by 10%, you get **19.1670, -25.0350, 7.6770**, and if you desaturate by 10%, it is **24.4940, -21.6420, 6.7580**.

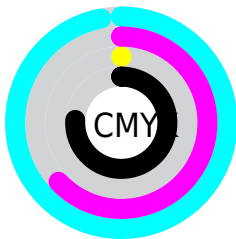
Distribution



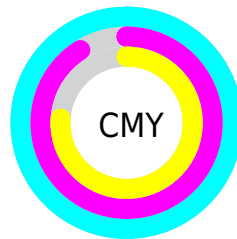
- Red (1%)
- Green (9%)
- Blue (24%)



- Red (1%)
- Yellow (7%)
- Blue (24%)



- Cyan (97%)
- Magenta (63%)
- Yellow (0%)
- Black (76%)



- Cyan (99%)
- Magenta (91%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 20.3520, -24.1180, 7.5780 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 20.3520, -24.1180, 7.5780 by changing the saturation by 10% instead.

■ 20.3520, -24.1180,
7.5780

■ 20.3520, -24.1180,
7.5780

■ 245.8300, -5.2730,
1.9510

■ 4.9190, -12.4730,
11.2950

■ 66.3250, -19.4880,
11.7760

■ 2.2970, -5.0900,
4.1420

■ 90.1510, -18.9380,
12.8220

■ 0.0000, 0.0000,
0.0000

■ 114.7920,
-19.3050, 13.9670

■ 140.9060,
-19.6260, 14.2780

■ 167.4330,
-19.6720, 15.1120

■ 194.5470,

-19.9930, 15.4230

■ 220.7230,
-14.8570, 10.4470

■ 20.3520, -24.1180,
7.5780

■ 20.3520, -24.1180,
7.5780

■ 19.1670, -25.0350,
7.6770

■ 24.4940, -21.6420,
6.7580

■ 28.6360, -19.1660,
5.9380

■ 32.7780, -16.6900,
5.1180

■ 36.9200, -14.2140,
4.2980

■ 41.0620, -11.7380,
3.4780

■ 45.2040, -9.2620,
2.6580

■ 48.7590, -6.5110,
2.3610

■ 52.9010, -4.0350,
1.5410

■ 57.0430, -1.5590,
0.7210

Harmonies

Analogous

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



23.3900, -27.2810, 4.3270



20.3520, -24.1180, 7.5780



24.2910, 4.2150, 17.2310

Triad

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



20.3520, -24.1180, 7.5780



21.4070, 26.7750, 4.8470



21.0810, -13.8900, -12.5940

Complementary

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



20.3520, -24.1180, 7.5780



41.6480, 24.1180, -7.5780

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.



18.1970, -8.5250, -16.2130



20.3520, -24.1180, 7.5780



23.3900, 16.2770, -3.1390

Square

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



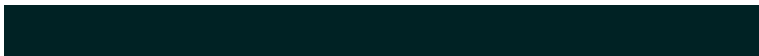
20.3520, -24.1180, 7.5780



18.8300, 30.2580, 13.3140



21.5300, 3.8990, -10.0930



24.0620, -20.9060, -6.5860

Rectangle

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



20.3520, -24.1180, 7.5780



21.6300, 16.5020, 20.3260



21.5300, 3.8990, -10.0930



19.9410, -10.6800, -15.7040

Sweetspot

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



20.3520, -24.1180, 7.5780



63.3180, -9.5830, 2.9690



40.3780, -28.1480, -18.5160



30.9440, -5.5940, 2.2620



168.0000, -0.0000, -0.0000



41.0000, 0.0000, -0.0000

Same Dimension

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



20.3520, -24.1180, 7.5780



24.8550, -32.7840, 10.4480



11.3030, -13.2540, 19.9460



28.9290, -1.2380, 0.4100



30.0870, -39.2490, 11.9750



70.5070, -92.4370, 28.7710

Inverse Universe

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



21.6220, 28.1480, 18.5160



26.6990, 38.4170, 25.1450



50.6970, 13.2540, -19.9460



29.0110, 1.4670, 0.9470



31.8680, 45.4310, 30.1910



75.1560, 107.5950, 71.0110

Previews

White Background



This preview shows how the YIQ color 20.3520, -24.1180, 7.5780 looks on a white background.

Color Contrast Check

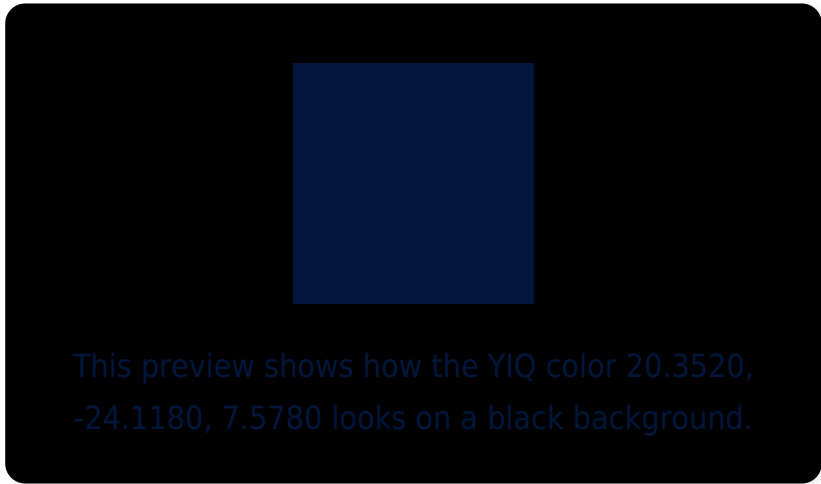
Large Text (above 18pt) WCAG AA ✓ Pass

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

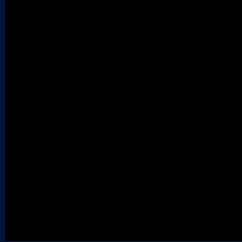
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 20.3520, -24.1180, 7.5780

Background



This preview shows how black text looks on a background with the YIQ color 20.3520, -24.1180, 7.5780.



This preview shows how white text looks on a background with the YIQ color 20.3520, -24.1180,

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

20.3520, -24.1180, 7.5780

Protanopia

20.0160, -23.2920, 3.6200

Deuteranopia

20.2780, -21.2740, 0.0860



Tritanopia

19.8560, -17.3300, -5.3140

Trichromacy



Original Color

20.3520, -24.1180, 7.5780

Protanomaly

20.0700, -23.3840, 5.2880

Deuteranomaly

20.6740, -22.3290, 2.6870

Tritanomaly

20.2350, -19.7150, -0.6350

Monochromacy



Original Color

20.3520, -24.1180, 7.5780

Achromatopsia

20.0000, 0.0000, -0.0000

Achromatomaly

20.2040, -9.2620, 2.6580

CSS Examples

Text

The CSS property to change the color of the text to YIQ 20.3520, -24.1180, 7.5780 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(2, 22, 60)` looks like.

```
.text, #text, p{  
    color:rgb(2, 22, 60)  
}
```

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(2, 22, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 22, 60) }
```

Border

The CSS property to change the border of an element to YIQ 20.3520, -24.1180, 7.5780 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(2, 22, 60) }
```


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

```
.border{ border-color:rgb(2, 22, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 22, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 22, 60); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 22, 60); box-shadow:4px  
4px 4px 4px rgb(2, 22, 60) }
```

Background

The CSS property to change the background color of an element to YIQ 20.3520, -24.1180, 7.5780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 22, 60) }
```

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

```
.background{ background-color: rgb(2, 22,  
60) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor