

Converting Colors

YIQ(77.7130, -52.4550, 20.0330)

Have a look what the booklet for
YIQ(77.7130, -52.4550, 20.0330)
contains.

YIQ(77.7130, -52.4550, 20.0330)	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(77.7130, -52.4550,
20.0330)**

Conversions

Conversions Part 1

Format	Color
Hex	284FAA
RGB	40, 79, 170
RGB Percent	16%, 31%, 67%
CMY	0.8431, 0.6901, 0.3336
CMYK	0.76, 0.54, 0.00, 0.33
HSL	222°, 62%, 41%
HSV	222°, 76%, 67%
XYZ	10.9209, 8.9449, 39.1459
YIQ	77.7130, -52.4550, 20.0330

Conversions

Conversions Part 2

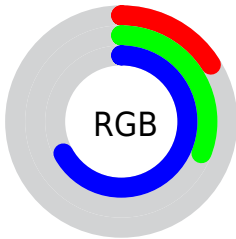
Format	Color
R_{YB}	40, 70, 170
Decimal	2641834
CIE _{Lab}	35.88, 19.46, -52.77
CIE _{LCh}	36, 56.244, 290.248
Yxy	8.9449, 0.1851, 0.1516
Android (android.graphics.Color)	4280831914 (0xFF284FAA)
YUV	77.7130, 45.4975, -33.0743
Hunter-Lab	29.9080, 12.8401, -56.6677

Details

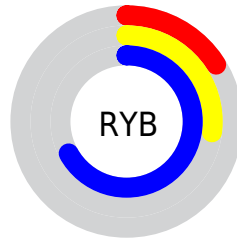
The YIQ color $[77.7130, -52.4550, 20.0330]$ is a dark color, and the websafe version is hex $3366CC$. A complement of this color would be $[132.2870, 52.4550, -20.0330]$, and the grayscale version is $[77.0000, -0.0000, -0.0000]$.

A 20% lighter version of the original color is $[131.9960, -45.7620, 25.3900]$, and $[34.4700, -47.4570, 17.5590]$ is the 20% darker color. If you saturate the color by 10%, you get $[65.5860, -59.2870, 22.7050]$, and if you desaturate by 10%, it is $[89.8400, -45.6230, 17.3610]$.

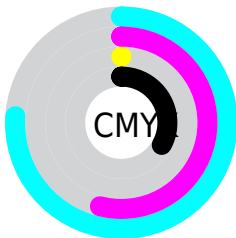
Distribution



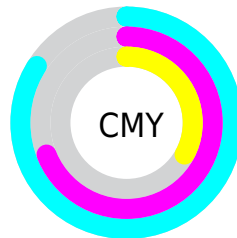
- Red (16%)
- Green (31%)
- Blue (67%)



- Red (16%)
- Yellow (27%)
- Blue (67%)



- Cyan (76%)
- Magenta (54%)
- Yellow (0%)
- Black (33%)



- Cyan (84%)
- Magenta (69%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 77.7130, -52.4550, 20.0330 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 77.7130, -52.4550, 20.0330 by changing the saturation by 10% instead.

■ 77.7130, -52.4550,
20.0330

■ 77.7130, -52.4550,
20.0330

■ 255.0000, -0.0000,
-0.0000

■ 49.7610, -61.5780,
14.6620

■ 131.9960,
-45.7620, 25.3900

■ 34.4700, -47.4570,
17.5590

■ 158.9470,
-44.0660, 27.6940

■ 20.4670, -34.2070,
19.7210

■ 183.4670,
-34.2070, 19.7210

■ 11.1600, -23.1570,
17.6990

■ 208.5740,
-24.6230, 11.2250

■ 6.7770, -14.9490,
12.1150

■ 233.6810,
-15.0390, 2.7290

■ 3.0950, -7.3370,
6.3190

■ 253.8040, -2.3840,

■ 0.0000, 0.0000,

-0.8480

0.0000

■ 77.7130, -52.4550,
20.0330

■ 77.7130, -52.4550,
20.0330

■ 65.5860, -59.2870,
22.7050

■ 89.8400, -45.6230,
17.3610

■ 53.4590, -66.1190,
25.3770

■ 101.9670,
-38.7910, 14.6890

■ 49.3170, -68.5950,
26.1970

■ 114.0940,
-31.9590, 12.0170

■ 126.2210,
-25.1270, 9.3450

■ 137.7610,
-18.0200, 7.1960

■ 149.8880,
-11.1880, 4.5240

■ 162.0150, -4.3560,
1.8520

■ 174.1420, 2.4760,
-0.8200

■ 186.2690, 9.3080,
-3.4920

Harmonies

Analogous

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



75.0140, -81.7040, 4.9520



77.7130, -52.4550, 20.0330



85.9510, 12.0050, 41.2610

Triad

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



77.7130, -52.4550, 20.0330



77.7800, 68.0850, 5.0850



68.2130, -50.1530, -32.7210

Complementary

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



77.7130, -52.4550, 20.0330



132.2870, 52.4550, -20.0330

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.



60.1650, -33.0030, -46.1790



77.7130, -52.4550, 20.0330



79.5840, 47.3650, -15.8910

Square

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



77.7130, -52.4550, 20.0330



73.6060, 69.7760, 35.0240



75.5430, 19.0790, -31.9050



74.0440, -65.1940, -18.9380

Rectangle

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



77.7130, -52.4550, 20.0330



79.7820, 40.5220, 47.5780



75.5430, 19.0790, -31.9050



65.8020, -44.7420, -37.1740

Sweetspot

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



77.7130, -52.4550, 20.0330



185.6190, -20.4960, 8.0160



126.4560, -64.3190, -40.3110



89.8170, -12.4260, 4.9340



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000

Same Dimension

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



77.7130, -52.4550, 20.0330



77.0630, -82.2590, 31.5410



61.9960, -27.4260, 45.5180



78.0860, -3.1180, 1.4420



42.7000, -59.6080, 23.0160



5.8020, -8.0700, 3.0820

Inverse Universe

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



83.3160, 64.9610, 39.6890



85.9500, 102.0030, 62.2190



148.0040, 27.4260, -45.5180



78.6200, 4.1260, 2.3180



49.2680, 74.0840, 45.0600



6.6640, 9.9940, 6.1060

Previews

White Background



This preview shows how the YIQ color 77.7130, -52.4550, 20.0330 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



This preview shows how the YIQ color 77.7130, -52.4550, 20.0330 looks on a 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 77.7130, -52.4550, 20.0330

Background



This preview shows how black text looks on a background with the YIQ color 77.7130, -52.4550, 20.0330.



This preview shows how white text looks on a background with the YIQ color 77.7130, -52.4550,

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

77.7130, -52.4550, 20.0330

Protanopia

69.5470, -72.7190, 12.8250

Deuteranopia

67.4680, -71.4790, 1.3610



Tritanopia

65.9910, -57.6750, -17.5390

Trichromacy



Original Color

77.7130, -52.4550, 20.0330

Protanomaly

72.4340, -64.9710, 15.5810

Deuteranomaly

71.1040, -64.2820, 8.5980

Tritanomaly

70.3910, -55.3850, -3.9690

Monochromacy



Original Color

77.7130, -52.4550, 20.0330

Achromatopsia

78.0000, -0.0000, -0.0000

Achromatomaly

77.5760, -18.9370, 7.2950

CSS Examples

Text

The CSS property to change the color of the text to YIQ 77.7130, -52.4550, 20.0330 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(40, 79, 170)` looks like.

```
.text, #text, p{  
    color:rgb(40, 79, 170)  
}
```

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(40, 79, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 79, 170) }
```

Border

The CSS property to change the border of an element to YIQ 77.7130, -52.4550, 20.0330 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(40, 79, 170) }
```


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

```
.border{ border-color:rgb(40, 79, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 79, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 79, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 79, 170);  
box-shadow:4px 4px 4px 4px rgb(40, 79,  
170) }
```

Background

The CSS property to change the background color of an element to YIQ 77.7130, -52.4550, 20.0330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 79, 170) }
```

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

```
.background{ background-color: rgb(40, 79,  
170) }
```

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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