Converting Colors

YIQ(178.1610, -78.7650, -20.7890)

Have a look what the booklet for YIQ(178.1610, -78.7650, -20.7890) contains.

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Color

YIQ(178.1610, -78.7650, -20.7890)

Conversions

Conversions Part 1

Format	Color
Hex	5AD5E6
RGB	90, 213, 230
RGB Percent	35%, 84%, 90%
CMY	0.6473, 0.1645, 0.0984
CMYK	0.61, 0.07, 0.00, 0.10
HSL	187°, 74%, 63%
HSV	187°, 61%, 90%
XYZ	42.2880, 55.4931, 83.2842
YIQ	178.1610, -78.7650, -20.7890

Conversions

Conversions Part 2

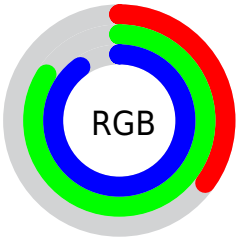
Format	Color
RYB	90, 155, 230
Decimal	5952998
CIELab	79.32, -29.17, -18.55
CIELCh	79, 34.575, 212.456
Yxy	55.4931, 0.2336, 0.3065
Android (android.graphics.Color)	4284143078 (0xFF5AD5E6)
YUV	178.1610, 25.5566, -77.3172
Hunter-Lab	74.4937, -29.0345, -14.1408

Details

The YIQ color 178.1610, -78.7650, -20.7890 is a light color, and the websafe version is hex 66CCCC. The color can be described as light muted cyan. A complement of this color would be 141.8390, 78.7650, 20.7890, and the grayscale version is 178.0000, -0.0000, -0.0000.

A 20% lighter version of the original color is 224.5020, -60.7920, -21.6240, and 112.5820, -99.3040, -28.5200 is the 20% darker color. If you saturate the color by 10%, you get 169.5230, -91.6480, -24.0960, and if you desaturate by 10%, it is 186.7990, -65.8820, -17.4820.

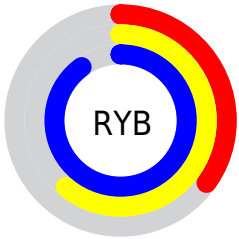
Distribution



Red (35%)

Green (84%)

Blue (90%)



Red (35%)

Yellow (61%)

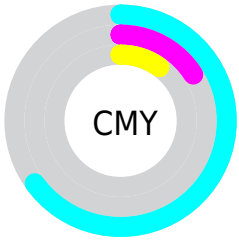
Blue (90%)

Cyan (61%)

Magenta (7%)

Yellow (0%)

Black (10%)



Cyan (65%)

Magenta (16%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 178.1610, -78.7650, -20.7890 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 178.1610, -78.7650, -20.7890 by changing the saturation by 10% instead.

178.1610, -78.7650, -20.7890

178.1610, -78.7650, -20.7890

255.0000, -0.0000, -0.0000

147.7690, -83.5330, -22.4850

224.5020, -60.7920, -21.6240

112.5820, -99.3040, -28.5200

233.4720, -42.9120, -15.2640

94.3560, -83.8080, -23.0080

242.4420, -25.0320, -8.9040

76.1300, -68.3120, -17.4960

251.7110, -6.5560, -2.3320

58.6050, -53.4120, -12.1960

42.3680, -39.3830, -7.6310

27.5330, -26.5460,

-3.4900

4.5940, -10.1800, 8.2840

0.0000, 0.0000, 0.0000

178.1610, -78.7650, -20.7890

169.5230, -91.6480, -24.0960

161.4720, -104.8060, -27.9260

152.8340, -117.6890, -31.2330

144.7940, -129.3800, -34.1160

178.1610, -78.7650, -20.7890

186.7990, -65.8820, -17.4820

195.4370, -52.9990, -14.1750

203.4880, -39.8410, -10.3450

212.1260, -26.9580, -7.0380

220.7640, -14.0750, -3.7310

229.4020, -1.1920, -0.4240

237.4530, 11.9660, 3.4060

240.4100, 13.5250, 2.6850

242.1710, 12.7000, 1.1160

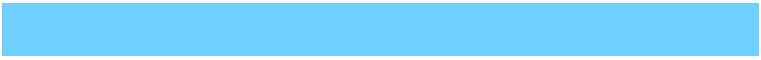
Harmonies

Analogous

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

180.4820, -58.0400, -27.4480

178.1610, -78.7650, -20.7890



184.4260, -71.6610, -6.3570

Triad

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

178.1610, -78.7650, -20.7890

201.5370, 21.4980, 28.9060

194.0970, 32.7390, -15.1410

Complementary

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

178.1610, -78.7650, -20.7890

141.8390, 78.7650, 20.7890

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.

196.9240, 49.8840, -0.9640

178.1610, -78.7650, -20.7890

199.4390, 42.0850, 24.7490

Square

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

178.1610, -78.7650, -20.7890

199.3790, -10.4120, 23.5080

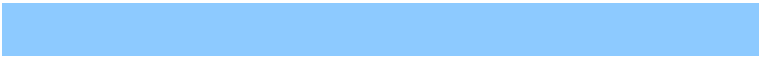
197.6660, 51.2110, 13.5390

190.8270, 6.8360, -24.7800

Rectangle

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

178.1610, -78.7650, -20.7890



189.8030, -53.3690, 3.5510

197.6660, 51.2110, 13.5390

195.4400, 39.2030, -11.1410

Sweetspot

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

178.1610, -78.7650, -20.7890

237.7240, -25.7660, -6.6140

174.0040, -43.6360, -68.2440

116.9810, -16.1840, -4.0560

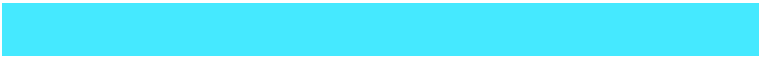
0.0000, 0.0000, 0.0000

128.0000, -0.0000, -0.0000

Same Dimension

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

178.1610, -78.7650, -20.7890



186.4720, -104.8060, -27.9260

137.6580, -59.7900, 15.2980

110.2380, -6.6020, -1.4980

112.5650, -100.6340, -26.4420

32.2290, -28.7460, -7.6740

Inverse Universe

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

145.8820, 43.9570, 67.9330

143.3100, 58.2120, 90.4360

182.3420, 59.7900, -15.2980

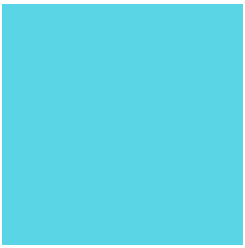
107.7280, 3.9420, 5.6540

71.4190, 56.2870, 86.7750

20.3790, 15.9510, 24.8070

Previews

White Background

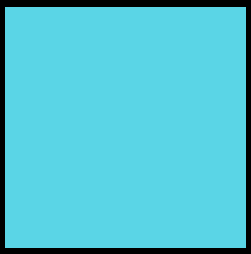


This preview shows how the YIQ color 178.1610, -78.7650, -20.7890 looks on a white background.

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

Black Background



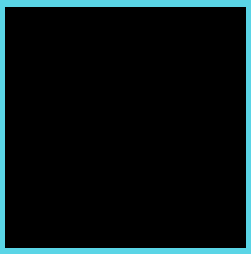
This preview shows how the YIQ color 178.1610, -78.7650, -20.7890 looks on a black background.

Color Contrast Check

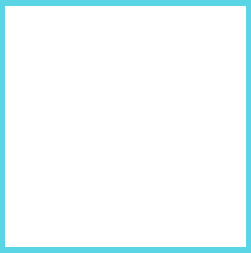
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

YIQ 178.1610, -78.7650, -20.7890 Background



This preview shows how black text looks on a background with the YIQ color 178.1610, -78.7650, -20.7890.



This preview shows how white text looks on a background with the YIQ color 178.1610, -78.7650,

-20.7890.

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

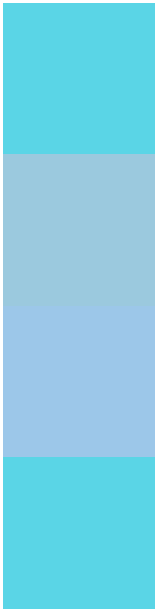
Original Color
178.1610, -78.7650, -20.7890

Protanopia
196.0240, -8.5750, 6.7290

Deuteranopia
196.9130, -12.3360, 14.3200

Tritanopia
178.1610, -78.7650, -20.7890

Trichromacy



Original Color
178.1610, -78.7650, -20.7890

Protanomaly
189.6400, -34.1570, -3.2210

Deuteranomaly
190.0190, -36.5420, 1.4580

Tritanomaly
178.1610, -78.7650, -20.7890

Monochromacy

Original Color
178.1610, -78.7650, -20.7890

Achromatopsia
178.0000, -0.0000, -0.0000

Achromatomaly
178.2290, -28.7460, -7.6740

CSS Examples

Text

The CSS property to change the color of the text to YIQ 178.1610, -78.7650, -20.7890 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(90, 213, 230) looks like.

```
.text, #text, p{
    color:rgb(90, 213, 230)
}
```

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(90, 213, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 213, 230) }
```

Border

The CSS property to change the border of an element to YIQ 178.1610, -78.7650, -20.7890 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(90, 213, 230) }
```

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

```
.border{ border-color:rgb(90, 213, 230) }
```

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

Here you see how a box with a 4 pixel rgb(90, 213, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(90, 213, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(90, 213, 230); box-shadow:4px 4px 4px 4px rgb(90, 213, 230) }
```

Background

The CSS property to change the background color of an element to YIQ 178.1610, -78.7650, -20.7890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(90, 213, 230) }
```

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

```
.background{ background-color:rgb(90, 213,
230) }
```

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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