

Converting Colors

YIQ(222.2300, 63.5150,
-77.3250)

Have a look what the booklet for
YIQ(222.2300, 63.5150, -77.3250)
contains.

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Color

**YIQ(222.2300, 63.5150,
-77.3250)**

Conversions

Conversions Part 1

Format	Color
Hex	EBFF14
RGB	235, 255, 20
RGB Percent	92%, 100%, 8%
CMY	0.0786, 0.0000, 0.9210
CMYK	0.08, 0.00, 0.92, 0.00
HSL	65°, 100%, 54%
HSV	65°, 92%, 100%
XYZ	70.1319, 89.2247, 14.1927
YIQ	222.2300, 63.5150, -77.3250

Conversions

Conversions Part 2

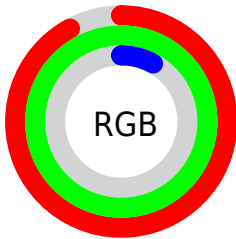
Format	Color
R _Y B	20, 255, 40
Decimal	15466260
CIE Lab	95.67, -29.54, 91.14
CIE LCh	96, 95.803, 107.958
Yxy	89.2247, 0.4041, 0.5141
Android (android.graphics.Color)	4293656340 (0xFFEBFF14)
YUV	222.2300, -99.6994, 11.1993
Hunter-Lab	94.4588, -32.7738, 57.2126

Details

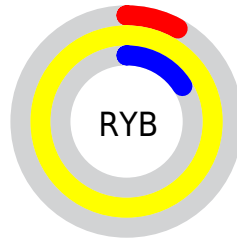
The YIQ color **222.2300, 63.5150, -77.3250** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light washed yellow. A complement of this color would be **52.7700, -63.5150, 77.3250**, and the grayscale version is **223.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **237.3300, 49.7550, -48.2050**, and **168.2520, 49.2540, -66.6660** is the 20% darker color. If you saturate the color by 10%, you get **219.3520, 68.7430, -83.9690**, and if you desaturate by 10%, it is **225.7920, 56.3610, -68.8150**.

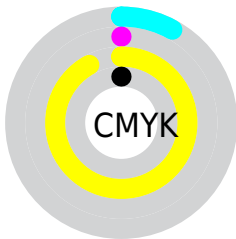
Distribution



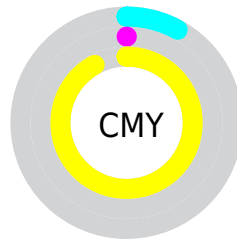
- Red (92%)
- Green (100%)
- Blue (8%)



- Red (8%)
- Yellow (100%)
- Blue (16%)



- Cyan (8%)
- Magenta (0%)
- Yellow (92%)
- Black (0%)



- Cyan (8%)
- Magenta (0%)
- Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 222.2300, 63.5150, -77.3250 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 222.2300, 63.5150, -77.3250 by changing the saturation by 10% instead.

222.2300, 63.5150,
-77.3250

222.2300, 63.5150,
-77.3250

255.0000, -0.0000,
-0.0000

193.6580, 59.4340,
-74.9500

237.3300, 49.7550,
-48.2050

168.2520, 49.2540,
-66.6660

240.8640, 39.8040,
-38.5640

143.7320, 39.3950,
-58.6930

244.2840, 30.1740,
-29.2340

119.7990, 29.2610,
-51.2430

247.7040, 20.5440,
-19.9040

95.5670, 18.5310,
-44.0050

251.2380, 10.5930,
-10.2630

72.5200, 8.7180,
-36.8660

254.6580, 0.9630,

49.7610, -1.9660,

-0.9330

-30.4620

■ 28.1760, -13.2000,
-25.1040

■ 16.4360, -7.7000,
-14.6440

■ 222.2300, 63.5150,
-77.3250

■ 222.2300, 63.5150,
-77.3250

■ 219.3520, 68.7430,
-83.9690

■ 225.7920, 56.3610,
-68.8150

■ 229.2400, 49.5280,
-60.6160

■ 232.8020, 42.3740,
-52.1060

■ 236.5490, 36.1370,
-43.6950

■ 240.1110, 28.9830,
-35.1850

■ 243.5590, 22.1500,
-26.9860

■ 247.1210, 14.9960,
-18.4760

■ 250.5690, 8.1630,
-10.2770

■ 254.4300, 1.6050,
-1.5550

Harmonies

Analogous

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



211.2840, 81.7590, -55.5290



222.2300, 63.5150, -77.3250



197.6920, -34.1900, -74.2380

Triad

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



222.2300, 63.5150, -77.3250



178.7550, -151.9800, -54.0600



196.3000, 27.5000, 52.3000

Complementary

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



222.2300, 63.5150, -77.3250



52.7700, -63.5150, 77.3250

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.



218.0190, 17.3250, 32.9490



222.2300, 63.5150, -77.3250



178.7550, -151.9800, -54.0600

Square

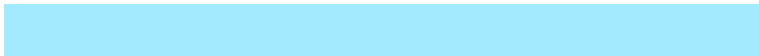
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



222.2300, 63.5150, -77.3250



178.7550, -151.9800, -54.0600



215.1650, -49.0570, -8.5210



187.2430, 48.8690, 33.9650

Rectangle

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



222.2300, 63.5150, -77.3250



168.9510, -124.3740, -80.8060



215.1650, -49.0570, -8.5210



202.1700, 24.7500, 47.0700

Sweetspot

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



222.2300, 63.5150, -77.3250



245.1120, 19.2150, -23.3530



102.0050, 134.5600, 39.3600



121.7880, 11.7400, -14.5320



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.



222.2300, 63.5150, -77.3250



219.3520, 68.7430, -83.9690



187.2470, -6.2170, -102.1290



125.9200, 2.9810, -4.4670



164.4420, 51.7750, -62.7930



54.9100, 16.9680, -21.1760

Inverse Universe

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



52.7700, -63.5150, 77.3250



35.6480, -68.7430, 83.9690



87.7530, 6.2170, 102.1290



116.7810, -3.5770, 4.2550



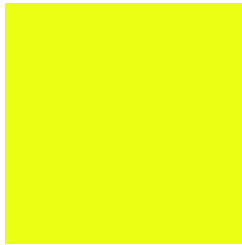
26.5580, -51.7750, 62.7930



8.7910, -17.5640, 20.9640

Previews

White Background



This preview shows how the YIQ color 222.2300, 63.5150, -77.3250 looks on a white background.

Color Contrast Check

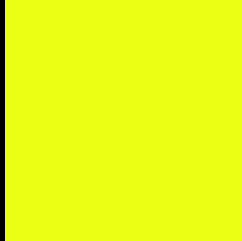
Large Text (above 18pt) WCAG AA × Fail

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 222.2300, 63.5150, -77.3250 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 222.2300, 63.5150, -77.3250

Background



This preview shows how black text looks on a background with the YIQ color 222.2300, 63.5150, -77.3250.



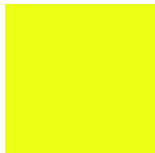
This preview shows how white text looks on a background with the YIQ color 222.2300, 63.5150,

-77.3250.

Color Blindness Simulation

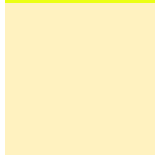
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



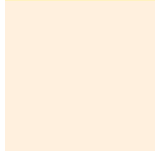
Original Color

222.2300, 63.5150, -77.3250



Protanopia

240.1870, 23.7980, -12.7940



Deuteranopia

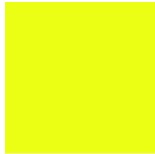
242.4330, 14.7180, -2.4180



Tritanopia

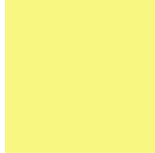
243.8360, 3.7580, 8.9900

Trichromacy



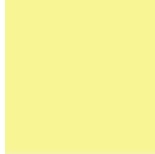
Original Color

222.2300, 63.5150, -77.3250



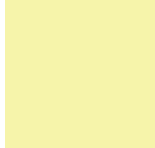
Protanomaly

233.8470, 38.4740, -36.4860



Deuteranomaly

234.9530, 32.6040, -29.2200



Tritanomaly

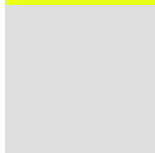
236.1620, 24.9460, -22.5900

Monochromacy



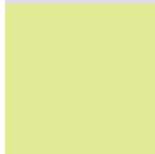
Original Color

222.2300, 63.5150, -77.3250



Achromatopsia

222.0000, -0.0000, 0.0000



Achromatomaly

222.2170, 23.1130, -27.9190

CSS Examples

Text

The CSS property to change the color of the text to YIQ 222.2300, 63.5150, -77.3250 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(235, 255, 20)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 20)  
}
```

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(235, 255, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 20) }
```

Border

The CSS property to change the border of an element to YIQ 222.2300, 63.5150, -77.3250 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(235, 255, 20) }
```


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

```
.border{ border-color:rgb(235, 255, 20) }
```

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

Here you see how a box with a 4 pixel rgb(235, 255, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 20);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
20) }
```

Background

The CSS property to change the background color of an element to YIQ 222.2300, 63.5150, -77.3250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 20) }
```

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

```
.background{ background-color: rgb(235,  
255, 20) }
```

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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