

Converting Colors

YIQ(107.7360, -77.6250,
13.6310)

Have a look what the booklet for
YIQ(107.7360, -77.6250, 13.6310)
contains.

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Color

**YIQ(107.7360, -77.6250,
13.6310)**

Conversions

Conversions Part 1

Format	Color
Hex	2A78D9
RGB	42, 120, 217
RGB Percent	16%, 47%, 85%
CMY	0.8354, 0.5293, 0.1494
CMYK	0.81, 0.45, 0.00, 0.15
HSL	213°, 70%, 51%
HSV	213°, 81%, 85%
XYZ	20.1857, 18.9371, 68.1704
YIQ	107.7360, -77.6250, 13.6310

Conversions

Conversions Part 2

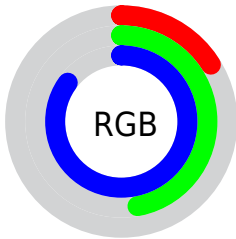
Format	Color
R_{YB}	42, 96, 217
Decimal	2783449
CIE _{Lab}	50.61, 11.19, -56.25
CIE _{LCh}	51, 57.347, 281.247
Yxy	18.9371, 0.1881, 0.1765
Android (android.graphics.Color)	4280973529 (0xFF2A78D9)
YUV	107.7360, 53.8672, -57.6505
Hunter-Lab	43.5168, 6.6444, -62.4177




Details

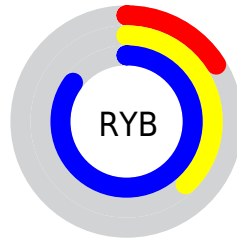
The YIQ color **107.7360, -77.6250, 13.6310** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **151.2640, 77.6250, -13.6310**, and the grayscale version is **107.0000, -0.0000, 0.0000**.




A 20% lighter version of the original color is **164.4190, -60.6150, 13.7290**, and **61.2050, -71.7560, 11.8920** is the 20% darker color. If you saturate the color by 10%, you get **94.1140, -87.4370, 15.2430**, and if you desaturate by 10%, it is **121.3580, -67.8130, 12.0190**.

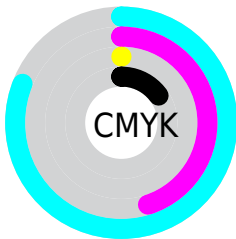
Distribution







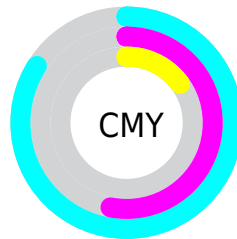
-  Red (16%)
-  Green (47%)
-  Blue (85%)






-  Red (16%)
-  Yellow (38%)
-  Blue (85%)



-  Cyan (81%)
-  Magenta (45%)
-  Yellow (0%)
-  Black (15%)



-  Cyan (84%)
-  Magenta (53%)
-  Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 107.7360, -77.6250, 13.6310 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 107.7360, -77.6250, 13.6310 by changing the saturation by 10% instead.

■ 107.7360,
-77.6250, 13.6310

■ 107.7360,
-77.6250, 13.6310

■ 255.0000, -0.0000,
-0.0000

■ 77.8980, -87.0690,
8.5710

■ 164.4190,
-60.6150, 13.7290

■ 61.2050, -71.7560,
11.8920

■ 189.5370,
-49.5640, 6.1800

■ 45.3270, -57.3600,
15.3120

■ 215.2420,
-38.7880, -1.8920

■ 30.6230, -43.5140,
17.6860

■ 240.6480,
-28.6080, -10.1760

■ 12.5110, -28.3390,
23.5090

■ 249.9170,
-10.1320, -3.6040

■ 10.3620, -20.9100,
15.5220

■ 5.3920, -12.4270,

10.4610

■ 2.0690, -4.4480,
3.5200

■ 0.0000, 0.0000,
0.0000

■ 107.7360,
-77.6250, 13.6310

■ 107.7360,
-77.6250, 13.6310

■ 94.1140, -87.4370,
15.2430

■ 121.3580,
-67.8130, 12.0190

■ 81.6770, -96.3320,
16.7560

■ 134.6810,
-58.5970, 10.1950

■ 148.3030,
-48.7850, 8.5830

■ 161.9250,
-38.9730, 6.9710

■ 175.2480,
-29.7570, 5.1470

■ 188.8700,
-19.9450, 3.5350

■ 202.4920,
-10.1330, 1.9230

■ 216.1140, -0.3210,
0.3110

■ 229.4370, 8.8950,
-1.5130

Harmonies

Analogous

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



102.9400, -105.2230, -3.8390



107.7360, -77.6250, 13.6310



123.9970, -2.8040, 39.8200

Triad

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



107.7360, -77.6250, 13.6310



116.2960, 75.7400, 15.0360



92.6850, -66.7020, -46.6860

Complementary

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



107.7360, -77.6250, 13.6310



151.2640, 77.6250, -13.6310

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.



105.6320, -6.4570, -42.6890



107.7360, -77.6250, 13.6310



115.1640, 66.1630, -15.1570

Square

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



107.7360, -77.6250, 13.6310



115.7250, 71.0590, 39.3070



110.7610, 41.5920, -37.9280



99.6730, -83.6230, -31.8710

Rectangle

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



107.7360, -77.6250, 13.6310



122.5790, 30.8480, 46.6880



110.7610, 41.5920, -37.9280



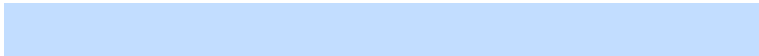
90.2740, -61.2910, -51.1390

Sweetspot

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



107.7360, -77.6250, 13.6310



216.8030, -27.0060, 4.8500



155.6690, -78.9410, -61.6690



104.6100, -16.2770, 3.1390



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.



107.7360, -77.6250, 13.6310



100.7280, -109.5370, 19.2870



64.6410, -50.8110, 56.3330



103.1890, -4.9060, 0.8060



64.9210, -76.7080, 13.5320



16.9840, -20.2660, 3.8460

Inverse Universe

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



103.2170, 79.2620, 61.3580



94.3930, 111.9020, 86.5740



194.3590, 50.8110, -56.3330



102.8590, 4.9510, 3.8870



60.5050, 78.3910, 60.6230



16.0340, 20.9960, 15.9720

Previews

White Background



This preview shows how the YIQ color 107.7360, -77.6250, 13.6310 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 107.7360, -77.6250, 13.6310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

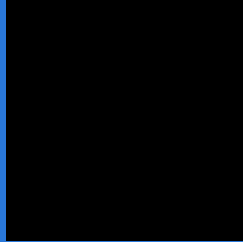
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 107.7360, -77.6250, 13.6310

Background



This preview shows how black text looks on a background with the YIQ color 107.7360, -77.6250, 13.6310.



This preview shows how white text looks on a background with the YIQ color 107.7360, -77.6250,

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

107.7360, -77.6250, 13.6310

Protanopia

114.5000, -56.1690, 21.2630

Deuteranopia

96.2380, -102.8860, 3.3700



Tritanopia

94.3730, -82.4780, -25.0860

Trichromacy



Original Color

107.7360, -77.6250, 13.6310

Protanomaly

111.6130, -63.9170, 18.5070

Deuteranomaly

100.1360, -93.6710, 7.0730

Tritanomaly

99.0010, -80.8300, -10.8940

Monochromacy



Original Color

107.7360, -77.6250, 13.6310

Achromatopsia

108.0000, -0.0000, 0.0000

Achromatomaly

107.7320, -28.2440, 5.2600

CSS Examples

Text

The CSS property to change the color of the text to YIQ 107.7360, -77.6250, 13.6310 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(42, 120, 217)` looks like.

```
.text, #text, p{  
    color:rgb(42, 120, 217)  
}
```

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(42, 120, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 120, 217) }
```

Border

The CSS property to change the border of an element to YIQ 107.7360, -77.6250, 13.6310 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(42, 120, 217) }
```


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

```
.border{ border-color:rgb(42, 120, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 120, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 120, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 120, 217);  
box-shadow:4px 4px 4px 4px rgb(42, 120,  
217) }
```

Background

The CSS property to change the background color of an element to YIQ 107.7360, -77.6250, 13.6310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 120, 217) }
```

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

```
.background{ background-color: rgb(42, 120,  
217) }
```

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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