

Converting Colors

YIQ(100.5560, 21.6280, 70.6200)

Have a look what the booklet for
YIQ(100.5560, 21.6280, 70.6200)
contains.

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Color

**YIQ(100.5560, 21.6280,
70.6200)**

Conversions

Conversions Part 1

Format	Color
Hex	A531C5
RGB	165, 49, 197
RGB Percent	65%, 19%, 77%
CMY	0.3526, 0.8080, 0.2275
CMYK	0.16, 0.75, 0.00, 0.23
HSL	287°, 60%, 48%
HSV	287°, 75%, 77%
XYZ	26.7101, 14.2329, 54.1584
YIQ	100.5560, 21.6280, 70.6200

Conversions

Conversions Part 2

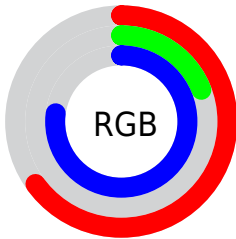
Format	Color
R _Y B	165, 49, 197
Decimal	10826181
CIE _{Lab}	44.57, 66.45, -54.04
CIE _{LCh}	45, 85.649, 320.878
Y _{xy}	14.2329, 0.2809, 0.1497
Android (android.graphics.Color)	4289016261 (0xFFA531C5)
YUV	100.5560, 47.5469, 56.5174
Hunter-Lab	37.7265, 60.3554, -58.7054

Details

The YIQ color $100.5560, 21.6280, 70.6200$ is a dark color, and the websafe version is hex $9933CC$. The color can be described as middle muted purple. A complement of this color would be $145.4440, -21.6280, -70.6200$, and the grayscale version is $100.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $158.4420, 21.9490, 70.3090$, and $48.4800, 18.7860, 67.0580$ is the 20% darker color. If you saturate the color by 10%, you get $87.6200, 24.7440, 80.2320$, and if you desaturate by 10%, it is $113.4920, 18.5120, 61.0080$.

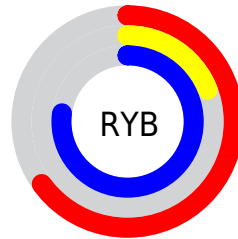
Distribution



Red (65%)

Green (19%)

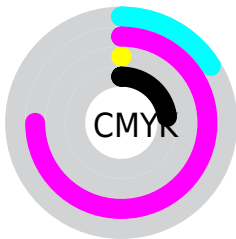
Blue (77%)



Red (65%)

Yellow (19%)

Blue (77%)

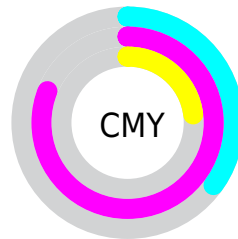


Cyan (16%)

Magenta (75%)

Yellow (0%)

Black (23%)



Cyan (35%)


Magenta (81%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 100.5560, 21.6280, 70.6200 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 100.5560, 21.6280, 70.6200 by changing the saturation by 10% instead.


 100.5560, 21.6280,
70.6200


 100.5560, 21.6280,
70.6200


255.0000, -0.0000,
-0.0000


 63.7510, 25.7530,
78.4650


 158.7410, 22.5450,
70.5210


 48.4800, 18.7860,
67.0580


 184.2610, 32.4040,
62.5480

 37.1440, 10.4440,
53.0360


 200.9960, 25.3000,
48.1160

 26.2210, 2.3770,
39.5370

 218.0190, 17.3250,
32.9490

 14.7000, -6.8820,
25.6140

 235.0420, 9.3500,
17.7820

 6.6630, -14.6280,
11.8040

 252.6520, 1.1000,

 2.9810, -7.0160,

2.0920

6.0080

■ 0.0000, 0.0000,
0.0000

■ 100.5560, 21.6280,
70.6200

■ 100.5560, 21.6280,
70.6200

■ 87.6200, 24.7440,
80.2320

■ 113.4920, 18.5120,
61.0080

■ 75.2710, 27.5850,
89.3210

■ 126.1400, 16.2670,
52.1310

■ 68.8030, 29.1430,
94.1270

■ 139.0760, 13.1510,
42.5190

■ 152.0120, 10.0350,
32.9070

■ 164.3610, 7.1940,
23.8180

■ 177.5960, 4.6740,
14.4180

■ 190.5320, 1.5580,
4.8060

■ 203.4680, -1.5580,
-4.8060

■ 215.8170, -4.3990,
-13.8950

Harmonies

Analogous

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



84.5270, -104.3570, 24.5310



100.5560, 21.6280, 70.6200



79.4040, 87.0060, 86.2220

Triad

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



100.5560, 21.6280, 70.6200



99.7180, 61.4870, -18.5210



96.3280, -86.6050, -21.8770

Complementary

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



100.5560, 21.6280, 70.6200



145.4440, -21.6280, -70.6200

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.



86.6040, -61.9800, -44.1560



100.5560, 21.6280, 70.6200



92.8980, 16.1010, -44.0190

Square

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



100.5560, 21.6280, 70.6200



90.0030, 101.3700, 13.0980



74.5490, -34.9250, -66.4210



102.2220, -105.9570, -1.5490

Rectangle

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



100.5560, 21.6280, 70.6200



76.4380, 106.8610, 73.3010



74.5490, -34.9250, -66.4210



93.0050, -78.6260, -28.8180

Sweetspot

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



100.5560, 21.6280, 70.6200



216.4800, 8.4770, 28.1010



84.6560, -56.3080, 29.2920



104.4760, 5.1320, 17.1320



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.



100.5560, 21.6280, 70.6200



105.3390, 34.0460, 109.9020



105.3360, 54.1820, 64.3420



93.1190, 1.2830, 4.2830



56.8540, 23.9650, 77.8290



12.4760, 5.1320, 17.1320

Inverse Universe

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



96.9000, 77.9360, 41.3280



99.4700, 121.0300, 64.3100



140.6640, -54.1820, -64.3420



92.9190, 4.7220, 2.5300



52.7270, 85.9130, 45.4410



11.6760, 18.8880, 10.1200

Previews

White Background



This preview shows how the YIQ color 100.5560, 21.6280, 70.6200 looks on a white background.

Color Contrast Check

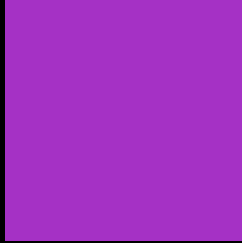
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 100.5560, 21.6280, 70.6200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

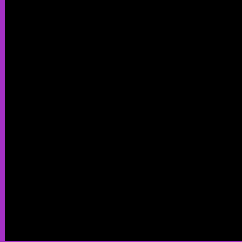
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 100.5560, 21.6280, 70.6200

Background



This preview shows how black text looks on a background with the YIQ color 100.5560, 21.6280, 70.6200.



This preview shows how white text looks on a background with the YIQ color 100.5560, 21.6280,

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

100.5560, 21.6280, 70.6200

Protanopia

84.6120, -97.7070, 14.1410

Deuteranopia

94.8800, -69.4630, 8.8810



Tritanopia

106.9340, 35.8970, 15.7450

Trichromacy



Original Color

100.5560, 21.6280, 70.6200



Protanomaly

90.6010, -54.4750, 34.6210



Deuteranomaly

97.3610, -36.3640, 31.2840



Tritanomaly

104.4290, 30.8500, 35.6340

Monochromacy



Original Color

100.5560, 21.6280, 70.6200



Achromatopsia

101.0000, -0.0000, 0.0000



Achromatomaly

100.7140, 7.6980, 25.6980

CSS Examples

Text

The CSS property to change the color of the text to YIQ 100.5560, 21.6280, 70.6200 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(165, 49, 197)` looks like.

```
.text, #text, p{  
    color:rgb(165, 49, 197)  
}
```

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(165, 49, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 49, 197) }
```

Border

The CSS property to change the border of an element to YIQ 100.5560, 21.6280, 70.6200 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(165, 49, 197) }
```


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

```
.border{ border-color:rgb(165, 49, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 49, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 49, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 49, 197);  
box-shadow:4px 4px 4px 4px rgb(165, 49,  
197) }
```

Background

The CSS property to change the background color of an element to YIQ 100.5560, 21.6280, 70.6200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 49, 197) }
```

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

```
.background{ background-color: rgb(165, 49,  
197) }
```

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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