

Converting Colors

YIQ(27.2730, -4.5420, 16.2420)

Have a look what the booklet for
YIQ(27.2730, -4.5420, 16.2420)
contains.

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Color

**YIQ(27.2730, -4.5420,
16.2420)**

Conversions

Conversions Part 1

Format	Color
Hex	21123C
RGB	33, 18, 60
RGB Percent	13%, 7%, 24%
CMY	0.8705, 0.9294, 0.7648
CMYK	0.45, 0.70, 0.00, 0.76
HSL	261°, 54%, 15%
HSV	261°, 70%, 24%
XYZ	1.6592, 1.0821, 4.3946
YIQ	27.2730, -4.5420, 16.2420

Conversions

Conversions Part 2

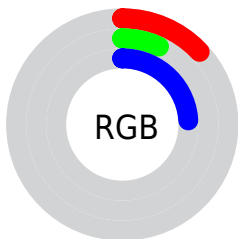
Format	Color
R_{YB}	33, 18, 60
Decimal	2167356
CIE Lab	9.66, 19.11, -24.37
CIE LCh	10, 30.968, 308.108
Yxy	1.0821, 0.2325, 0.1516
Android (android.graphics.Color)	4280357436 (0xFF21123C)
YUV	27.2730, 16.1344, 5.0226
Hunter-Lab	10.4025, 10.2662, -17.7658

Details

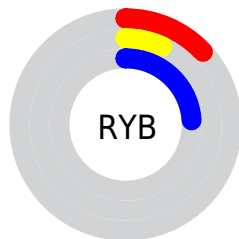
The YIQ color **27.2730, -4.5420, 16.2420** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **50.7270, 4.5420, -16.2420**, and the grayscale version is **27.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **72.0390, -3.7630, 18.6450**, and **2.2970, -5.0900, 4.1420** is the 20% darker color. If you saturate the color by 10%, you get **22.5550, -5.2760, 18.5320**, and if you desaturate by 10%, it is **31.9910, -3.8080, 13.9520**.

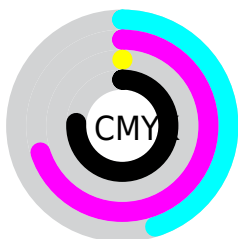
Distribution



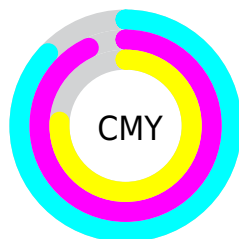
- Red (13%)
- Green (7%)
- Blue (24%)



- Red (13%)
- Yellow (7%)
- Blue (24%)



- Cyan (45%)
- Magenta (70%)
- Yellow (0%)
- Black (76%)



- Cyan (87%)
- Magenta (93%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 27.2730, -4.5420, 16.2420 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 27.2730, -4.5420, 16.2420 by changing the saturation by 10% instead.

■ 27.2730, -4.5420,
16.2420

■ 27.2730, -4.5420,
16.2420

■ 248.5430, 3.0250,
5.7530

■ 8.8170, -3.2580,
14.9980

■ 72.0390, -3.7630,
18.6450

■ 2.2970, -5.0900,
4.1420

■ 95.8650, -3.2130,
19.6910

■ 0.0000, 0.0000,
0.0000

■ 121.0930, -3.8550,
20.3130

■ 146.9190, -3.3050,
21.3590

■ 173.3320, -3.0300,
21.8820

■ 200.8590, -3.0760,

22.7160

■ 227.0350, 2.0600,
17.7400

■ 27.2730, -4.5420,
16.2420

■ 27.2730, -4.5420,
16.2420

■ 22.5550, -5.2760,
18.5320

■ 31.9910, -3.8080,
13.9520

■ 17.8370, -6.0100,
20.8220

■ 36.7090, -3.0740,
11.6620

■ 13.1190, -6.7440,
23.1120

■ 41.4270, -2.3400,
9.3720

■ 45.8460, -2.2020,
6.8700

■ 50.5640, -1.4680,
4.5800

■ 55.2820, -0.7340,
2.2900

■ 60.0000, -0.0000,
-0.0000

■ 64.7180, 0.7340,
-2.2900

■ 69.4360, 1.4680,
-4.5800

Harmonies

Analogous

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



24.3020, -29.8490, 6.8150



27.2730, -4.5420, 16.2420



23.6950, 17.8770, 22.9410

Triad

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



27.2730, -4.5420, 16.2420



25.7930, 22.5120, -0.4960



25.3670, -20.4470, -9.3990

Complementary

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



27.2730, -4.5420, 16.2420



50.7270, 4.5420, -16.2420

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.



21.8160, -11.8260, -16.9620



27.2730, -4.5420, 16.2420



25.4060, 10.1800, -8.2840

Square

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



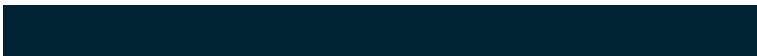
27.2730, -4.5420, 16.2420



21.7500, 33.2390, 8.8470



20.5670, -6.6910, -16.4110



27.0600, -26.5920, -2.6560

Rectangle

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



27.2730, -4.5420, 16.2420



21.5450, 27.0470, 21.9510



20.5670, -6.6910, -16.4110



24.5690, -18.2000, -11.5760

Sweetspot

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



27.2730, -4.5420, 16.2420



65.7320, -1.8810, 6.5590



38.6370, -20.9070, -1.0590



33.0370, -1.4220, 3.7460



168.0000, -0.0000, -0.0000



41.0000, 0.0000, -0.0000

Same Dimension

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



27.2730, -4.5420, 16.2420



27.4010, -7.4780, 25.4020



33.5520, 7.9740, 20.6940



28.6410, -0.3670, 1.1450



20.8820, -9.9100, 36.4420



48.9290, -24.1780, 85.7900

Inverse Universe

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



33.6360, 16.3650, 17.3010



37.5220, 25.8540, 27.0540



44.4480, -7.9740, -20.6940



29.1250, 1.1460, 1.2580



35.0600, 36.4430, 38.8990



82.5660, 86.7300, 91.2260

Previews

White Background



This preview shows how the YIQ color 27.2730, -4.5420, 16.2420 looks on a white background.

Color Contrast Check

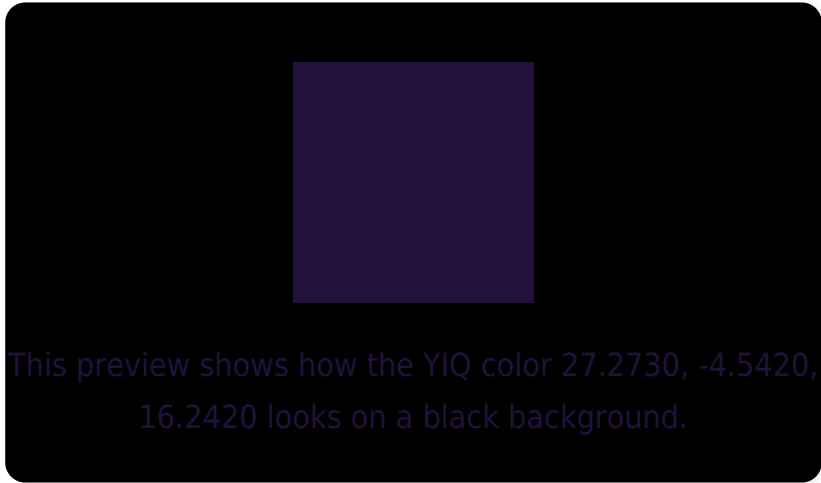
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

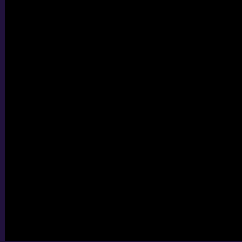
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 27.2730, -4.5420, 16.2420

Background



This preview shows how black text looks on a background with the YIQ color 27.2730, -4.5420, 16.2420.



This preview shows how white text looks on a background with the YIQ color 27.2730, -4.5420,

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

27.2730, -4.5420, 16.2420

Protanopia

22.2330, -25.4010, 3.2950

Deuteranopia

22.0220, -23.4290, 0.5950



Tritanopia

27.6300, -1.8340, 0.1980

Trichromacy



Original Color

27.2730, -4.5420, 16.2420

Protanomaly

24.1740, -17.7450, 7.7190

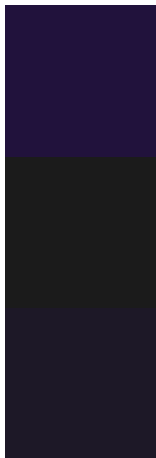
Deuteranomaly

23.7180, -16.4610, 6.4750

Tritanomaly

27.4330, -2.4770, 6.3470

Monochromacy



Original Color

27.2730, -4.5420, 16.2420

Achromatopsia

27.0000, -0.0000, 0.0000

Achromatomaly

27.2050, -1.8350, 5.7250

CSS Examples

Text

The CSS property to change the color of the text to YIQ 27.2730, -4.5420, 16.2420 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(33, 18, 60)` looks like.

```
.text, #text, p{  
    color:rgb(33, 18, 60)  
}
```

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(33, 18, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 18, 60) }
```

Border

The CSS property to change the border of an element to YIQ 27.2730, -4.5420, 16.2420 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(33, 18, 60) }
```


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

```
.border{ border-color:rgb(33, 18, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 18, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 18, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 18, 60);  
box-shadow:4px 4px 4px 4px rgb(33, 18, 60)  
}
```

Background

The CSS property to change the background color of an element to YIQ 27.2730, -4.5420, 16.2420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 18, 60) }
```

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

```
.background{ background-color: rgb(33, 18,  
60) }
```

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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