

Converting Colors

YIQ(23.4210, 14.9920, 3.6320)

Have a look what the booklet for
YIQ(23.4210, 14.9920, 3.6320)
contains.

YIQ(23.4210, 14.9920, 3.6320)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(23.4210, 14.9920,
3.6320)**

Conversions

Conversions Part 1

Format	Color
Hex	28110D
RGB	40, 17, 13
RGB Percent	16%, 7%, 5%
CMY	0.8431, 0.9334, 0.9490
CMYK	0.00, 0.58, 0.67, 0.84
HSL	9°, 51%, 10%
HSV	9°, 67%, 16%
XYZ	1.1486, 0.8811, 0.4908
YIQ	23.4210, 14.9920, 3.6320

Conversions

Conversions Part 2

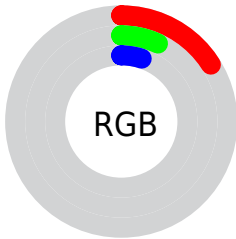
Format	Color
RYB	40, 18, 13
Decimal	2625805
CIELab	7.96, 11.47, 6.70
CIELCh	8, 13.285, 30.294
Yxy	0.8811, 0.4557, 0.3496
Android (android.graphics.Color)	4280815885 (0xFF28110D)
YUV	23.4210, -5.1376, 14.5398
Hunter-Lab	9.3866, 5.4165, 3.4703

Details

The YIQ color **23.4210, 14.9920, 3.6320** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **29.5790, -14.9920, -3.6320**, and the grayscale version is **23.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **66.7310, 17.0550, 4.7910**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **21.2040, 17.1010, 3.9570**, and if you desaturate by 10%, it is **25.6380, 12.8830, 3.3070**.

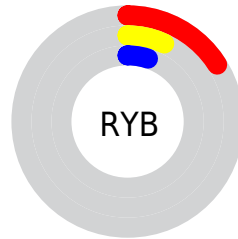
Distribution



Red (16%)

Green (7%)

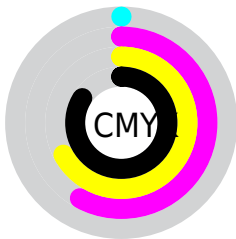
Blue (5%)



Red (16%)

Yellow (7%)

Blue (5%)

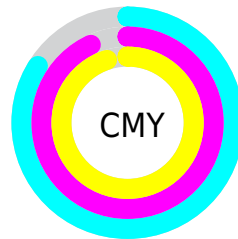


Cyan (0%)

Magenta (58%)

Yellow (67%)

Black (84%)



Cyan (84%)

Magenta (93%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 23.4210, 14.9920, 3.6320 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 23.4210, 14.9920, 3.6320 by changing the saturation by 10% instead.

■ 23.4210, 14.9920,
3.6320

■ 23.4210, 14.9920,
3.6320

■ 244.7300, 9.6280,
1.7240

■ 2.0930, 4.1720,
1.4840

■ 66.7310, 17.0550,
4.7910

■ 0.0000, 0.0000,
0.0000

■ 90.3290, 18.2470,
5.2150

■ 115.5140, 19.1640,
5.1160


■ 141.1120, 20.3560,
5.5400


■ 167.4110, 20.9520,
5.7520


■ 194.7100, 21.5480,


5.9640


 222.8950, 22.4650,
5.8650


 23.4210, 14.9920,
3.6320


 23.4210, 14.9920,
3.6320


 21.2040, 17.1010,
3.9570


 25.6380, 12.8830,
3.3070


 18.4000, 19.4850,
4.8050


 28.4420, 10.4990,
2.4590

 16.1830, 21.5940,
5.1300

 30.6590, 8.3900,
2.1340

 15.4820, 22.1900,
5.3420

 33.4630, 6.0060,
1.2860

 35.6800, 3.8970,
0.9610

■ 37.8970, 1.7880,
0.6360

■ 40.7010, -0.5960,
-0.2120

■ 42.9180, -2.7050,
-0.5370

■ 45.7220, -5.0890,
-1.3850

Harmonies

Analogous

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



23.7890, 11.1400, 7.3640



23.4210, 14.9920, 3.6320



22.9170, 16.2310, -2.3050

Triad

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



23.4210, 14.9920, 3.6320



19.8970, -7.3800, -9.4280



21.4530, -14.3970, 2.1070

Complementary

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



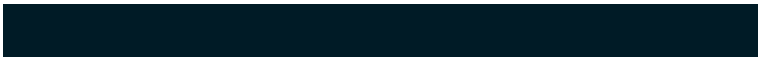
23.4210, 14.9920, 3.6320



29.5790, -14.9920, -3.6320

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.



20.1810, -19.6230, -2.3030



23.4210, 14.9920, 3.6320



19.6450, -15.3580, -8.0140

Square

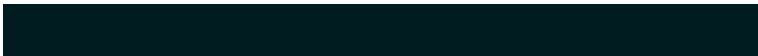
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



23.4210, 14.9920, 3.6320



21.6550, 5.0450, -8.8350



20.0840, -17.9720, -4.6920



23.9490, -3.9900, 6.2340

Rectangle

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



23.4210, 14.9920, 3.6320



22.7810, 13.6180, -4.5100



20.0840, -17.9720, -4.6920



20.2460, -18.2480, 0.3120

Sweetspot

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



23.4210, 14.9920, 3.6320



44.5770, 5.6850, 1.5970



23.6950, 8.7090, 12.8770



21.6800, 3.8970, 0.9610



153.0000, 0.0000, -0.0000



26.0000, -0.0000, -0.0000

Same Dimension

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



23.4210, 14.9920, 3.6320



25.7810, 22.7860, 5.5540



31.0520, 11.4170, -3.1670



19.1850, 0.9170, -0.0990



32.1600, 46.7640, 11.5320



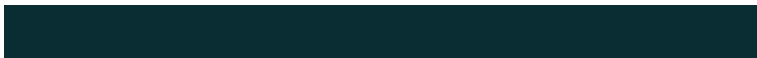
81.5850, 117.8270, 28.7310

Inverse Universe

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



29.5790, -14.9920, -3.6320



35.2190, -22.7860, -5.5540



21.9480, -11.4170, 3.1670



19.4020, -1.1920, -0.4240



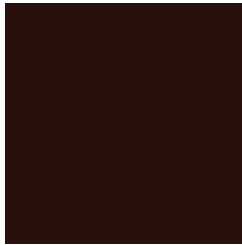
51.8400, -46.7640, -11.5320



129.8280, -117.5520, -28.2080

Previews

White Background



This preview shows how the YIQ color 23.4210, 14.9920, 3.6320 looks on a white background.

Color Contrast Check

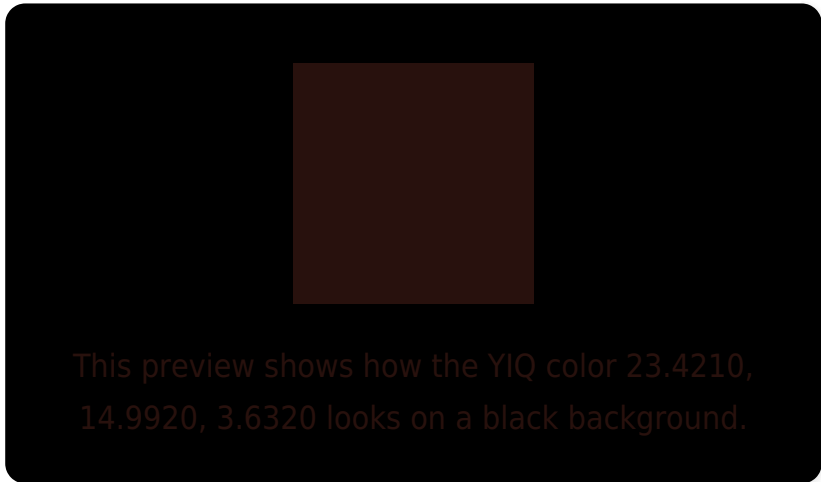
Large Text (above 18pt) WCAG AA ✓ Pass

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

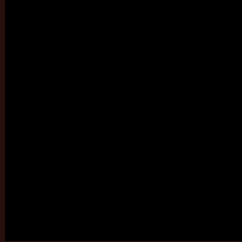
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 23.4210, 14.9920, 3.6320

Background



This preview shows how black text looks on a background with the YIQ color 23.4210, 14.9920, 3.6320.



This preview shows how white text looks on a background with the YIQ color 23.4210, 14.9920,

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

23.4210, 14.9920, 3.6320

Protanopia

23.6860, 3.7600, -2.0640

Deuteranopia

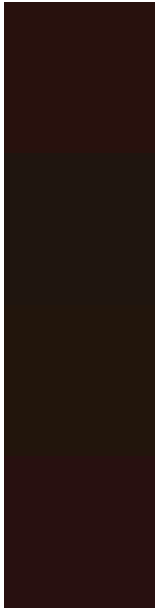
23.8390, 7.7030, -1.9370



Tritanopia

23.2900, 13.9830, 5.3990

Trichromacy



Original Color

23.4210, 14.9920, 3.6320

Protanomaly

23.3060, 7.8860, 0.2540

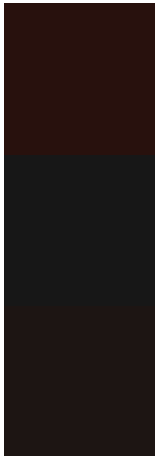
Deuteranomaly

23.8610, 10.6370, -0.0430

Tritanomaly

23.1760, 14.3040, 5.0880

Monochromacy



Original Color

23.4210, 14.9920, 3.6320

Achromatopsia

23.0000, 0.0000, -0.0000

Achromatomaly

23.1640, 5.4100, 1.0740

CSS Examples

Text

The CSS property to change the color of the text to YIQ 23.4210, 14.9920, 3.6320 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(40, 17, 13)` looks like.

```
.text, #text, p{  
    color:rgb(40, 17, 13)  
}
```

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(40, 17, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 17, 13) }
```

Border

The CSS property to change the border of an element to YIQ 23.4210, 14.9920, 3.6320 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(40, 17, 13) }
```


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

```
.border{ border-color:rgb(40, 17, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 17, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 17, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 17, 13);  
box-shadow:4px 4px 4px 4px rgb(40, 17, 13)  
}
```

Background

The CSS property to change the background color of an element to YIQ 23.4210, 14.9920, 3.6320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 17, 13) }
```

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

```
.background{ background-color: rgb(40, 17,  
13) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor