

Converting Colors

XYZ(16.7398, 23.6840, 31.8312)

Have a look what the booklet for
XYZ(16.7398, 23.6840, 31.8312)
contains.

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Color

**XYZ(16.7345, 23.7300,
31.7153)**

Conversions

Conversions Part 1

Format	Color
Hex	269494
RGB	38, 148, 148
RGB Percent	15%, 58%, 58%
CMY	0.8510, 0.4196, 0.4196
CMYK	0.74, 0.00, 0.00, 0.42
HSL	180°, 59%, 36%
HSV	180°, 74%, 58%
XYZ	16.7345, 23.7300, 31.7153
YIQ	115.1100, -65.5600, -23.3200

Conversions

Conversions Part 2

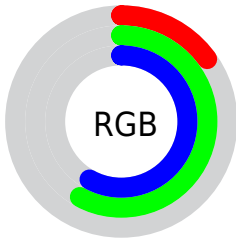
Format	Color
R_{YB}	38, 93, 148
Decimal	2528404
CIE _{Lab}	55.82, -29.31, -8.75
CIE _{LCh}	56, 30.594, 196.628
Yxy	23.7300, 0.2318, 0.3288
Android (android.graphics.Color)	4280718484 (0xFF269494)
YUV	115.1100, 16.2148, -67.6255
Hunter-Lab	48.7134, -23.9285, -4.5018

Details

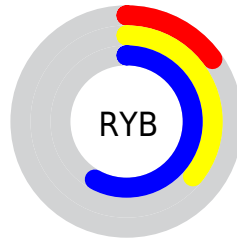
The XYZ color **16.7345, 23.7300, 31.7153** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.2565, 7.8228, 2.6456**, and the grayscale version is **16.2965, 17.1452, 18.6711**.

A 20% lighter version of the original color is **37.4961, 49.8009, 63.5134**, and **6.4324, 9.4125, 12.7870** is the 20% darker color. If you saturate the color by 10%, you get **16.2937, 23.5033, 31.6951**, and if you desaturate by 10%, it is **17.3937, 24.0704, 31.7468**.

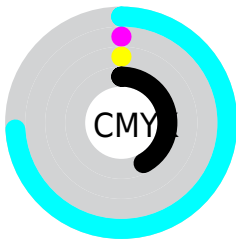
Distribution



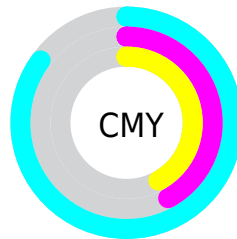
- Red (15%)
- Green (58%)
- Blue (58%)



- Red (15%)
- Yellow (36%)
- Blue (58%)



- Cyan (74%)
- Magenta (0%)
- Yellow (0%)
- Black (42%)



- Cyan (85%)
- Magenta (42%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7345, 23.7300, 31.7153 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 XYZ color 16.7345, 23.7300, 31.7153 by changing the saturation by 10% instead.

■ 16.7345, 23.7300,
31.7153

■ 16.7345, 23.7300,
31.7153

■ 226.8239,
271.4526, 324.2730

■ 10.1395, 15.1335,
20.8811

■ 37.4160, 49.5892,
63.4572

■ 5.5545, 8.9131,
12.8467

■ 52.2331, 67.6207,
85.2020

■ 2.6142, 4.6845,
7.1936

■ 70.5218, 89.5660,
111.4208

■ 0.9532, 2.0634,
3.5032

■ 92.6472, 115.8094,
142.5321

■ 0.0000, 0.6439,
1.3570

■ 118.9747,
146.7354, 178.9544

■ 0.0000, 0.0000,
0.1078

■ 149.8698,

■ 0.0000, 0.0000,

182.7283, 221.1063

0.0000

185.6977,
224.1726, 269.4063

■ 16.7345, 23.7300,
31.7153

■ 16.7345, 23.7300,
31.7153

■ 16.2937, 23.5033,
31.6951

■ 17.3937, 24.0704,
31.7468

■ 16.0408, 23.3729,
31.6832

■ 18.2923, 24.5336,
31.7889

■ 15.9356, 23.3187,
31.6783

■ 19.4509, 25.1309,
31.8432

■ 20.8876, 25.8715,
31.9105

■ 22.6188, 26.7640,
31.9916

■ 24.6595, 27.8160,
32.0872

■ 27.0240, 29.0349,
32.1979

■ 29.7252, 30.4275,
32.3244

■ 32.7758, 32.0001,
32.4672

Harmonies

Analogous

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



16.6540, 23.7300, 21.6569



16.7345, 23.7300, 31.7153



18.2668, 23.7300, 42.4104

Triad

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



16.7345, 23.7300, 31.7153



27.7735, 23.7300, 41.3484



24.1369, 23.7300, 11.3250

Complementary

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



16.7345, 23.7300, 31.7153



13.2565, 7.8228, 2.6456

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.



27.4659, 23.7300, 14.2666



16.7345, 23.7300, 31.7153



29.7065, 23.7300, 30.5252

Square

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



16.7345, 23.7300, 31.7153



24.5230, 23.7300, 48.8771



29.5885, 23.7300, 20.7356



20.6946, 23.7300, 11.4883

Rectangle

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



16.7345, 23.7300, 31.7153



20.0044, 23.7300, 47.7080



29.5885, 23.7300, 20.7356



25.3129, 23.7300, 11.9430

Sweetspot

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



16.7352, 23.7309, 31.7159



40.5432, 47.5494, 56.4754



11.8091, 21.7684, 5.4136



9.0691, 10.7586, 12.8834



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.7352, 23.7309, 31.7159



28.4267, 41.3031, 55.9074



10.2227, 10.7056, 29.5455



5.9641, 6.5622, 7.4220



13.6111, 19.9172, 27.0574



0.1666, 0.2438, 0.3312

Inverse Universe

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



13.2565, 7.8228, 2.6456



21.9534, 11.7008, 1.8128



16.3189, 13.9476, 3.6663



5.8008, 5.8154, 6.0572



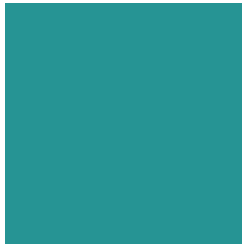
10.4317, 5.3777, 0.4882



0.1277, 0.0658, 0.0060

Previews

White Background



This preview shows how the XYZ color 16.7345, 23.7300, 31.7153 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 XYZ color 16.7345, 23.7300, 31.7153 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

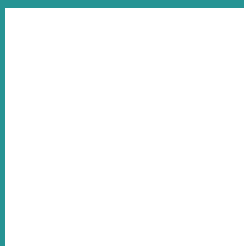
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7345, 23.7300, 31.7153

Background



This preview shows how black text looks on a background with the XYZ color 16.7345, 23.7300, 31.7153.

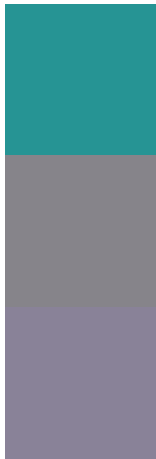


This preview shows how white text looks on a background with the XYZ color 16.7345, 23.7300,

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

16.7345, 23.7300, 31.7153

Protanopia

22.6702, 23.4058, 27.3677

Deuteranopia

23.9667, 23.5506, 32.9883



Tritanopia

17.5326, 23.5843, 35.9759

Trichromacy



Original Color

16.7345, 23.7300, 31.7153

Protanomaly

19.1166, 22.7826, 28.9811

Deuteranomaly

19.8984, 22.8924, 32.6481

Tritanomaly

17.2213, 23.6928, 34.2374

Monochromacy



Original Color

16.7345, 23.7300, 31.7153

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.3506, 18.7373, 22.8863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7345, 23.7300, 31.7153 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(38, 148, 148)` looks like.

```
.text, #text, p{  
    color:rgb(38, 148, 148)  
}
```

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(38, 148, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 148, 148) }
```

Border

The CSS property to change the border of an element to XYZ 16.7345, 23.7300, 31.7153 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(38, 148, 148) }
```


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

```
.border{ border-color:rgb(38, 148, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 148, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 148, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 148, 148);  
box-shadow:4px 4px 4px 4px rgb(38, 148,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7345, 23.7300, 31.7153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 148, 148) }
```

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

```
.background{ background-color: rgb(38, 148,  
148) }
```

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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