

Converting Colors

XYZ(13.7345, 15.8216, 26.3747)

Have a look what the booklet for
XYZ(13.7345, 15.8216, 26.3747)
contains.

XYZ(13.7345, 15.8216, 26.3747)	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

**XYZ(13.7345, 15.8216,
26.3747)**

Conversions

Conversions Part 1

Format	Color
Hex	4B748A
RGB	75, 116, 138
RGB Percent	29%, 45%, 54%
CMY	0.7059, 0.5451, 0.4588
CMYK	0.46, 0.16, 0.00, 0.46
HSL	201°, 30%, 42%
HSV	201°, 46%, 54%
XYZ	13.7345, 15.8216, 26.3747
YIQ	106.2490, -31.4980, -1.8500

Conversions

Conversions Part 2

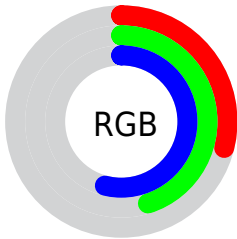
Format	Color
R_{YB}	75, 100, 138
Decimal	4945034
CIE Lab	46.74, -8.05, -16.50
CIE LCh	47, 18.361, 243.993
Yxy	15.8216, 0.2456, 0.2829
Android (android.graphics.Color)	4283135114 (0xFF4B748A)
YUV	106.2490, 15.6532, -27.4054
Hunter-Lab	39.7764, -7.9739, -11.4702

Details

The XYZ color **13.7345, 15.8216, 26.3747** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **16.0263, 14.4611, 8.6038**, and the grayscale version is **13.7329, 14.4481, 15.7340**.

A 20% lighter version of the original color is **32.1590, 36.2789, 54.5978**, and **4.1595, 5.0094, 9.9802** is the 20% darker color. If you saturate the color by 10%, you get **12.2289, 14.2424, 26.1495**, and if you desaturate by 10%, it is **15.5041, 17.5804, 26.6212**.

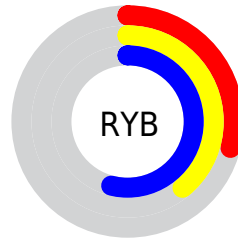
Distribution



Red (29%)

Green (45%)

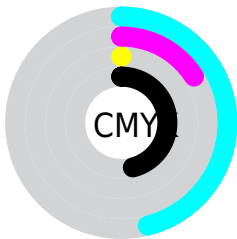
Blue (54%)



Red (29%)

Yellow (39%)

Blue (54%)

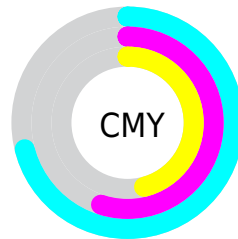


Cyan (46%)

Magenta (16%)

Yellow (0%)

Black (46%)



Cyan (71%)

Magenta (55%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7345, 15.8216, 26.3747 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 13.7345, 15.8216, 26.3747 by changing the saturation by 10% instead.

■ 13.7345, 15.8216,
26.3747

■ 13.7345, 15.8216,
26.3747

209.1167,
228.2867, 298.2804

■ 8.0167, 9.3980,
16.8759

■ 32.2074, 36.2882,
54.8703

■ 4.1575, 5.0017,
9.9850

■ 45.6932, 51.1000,
74.7042

■ 1.7916, 2.2482,
5.2836

■ 62.4991, 69.4767,
98.8201

■ 0.5126, 0.7461,
2.3529

■ 82.9904, 91.8026,
127.6368

■ 0.0000, 0.0000,
0.7607

■ 107.5324,
118.4622, 161.5726

■ 0.0000, 0.0000,
0.0000

136.4906,

149.8398, 201.0461

170.2302,
186.3198, 246.4758

■ 13.7345, 15.8216,
26.3747

■ 13.7345, 15.8216,
26.3747

■ 12.2289, 14.2424,
26.1495

■ 15.5041, 17.5804,
26.6212

■ 10.9701, 12.8322,
25.9437

■ 17.5505, 19.5249,
26.8887

■ 9.9409, 11.5819,
25.7566

■ 19.8875, 21.6633,
27.1783

■ 9.1214, 10.4805,
25.5872

■ 22.5275, 24.0025,
27.4906

■ 8.4817, 9.5119,
25.4339

■ 25.4820, 26.5491,
27.8264

■ 8.2277, 9.1154,
25.3708

■ 28.7620, 29.3093,
28.1863

■ 32.3780, 32.2890,
28.5709

■ 36.3399, 35.4940,
28.9807

■ 40.6572, 38.9297,
29.4163

Harmonies

Analogous

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



12.6387, 15.8216, 22.6116



13.7345, 15.8216, 26.3747



15.2523, 15.8216, 27.5432

Triad

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



13.7345, 15.8216, 26.3747



18.3051, 15.8216, 16.6234



13.3897, 15.8216, 10.9296

Complementary

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



13.7345, 15.8216, 26.3747



16.0263, 14.4611, 8.6038

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.



14.8257, 15.8216, 9.8743



13.7345, 15.8216, 26.3747



17.7231, 15.8216, 12.7733

Square

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



13.7345, 15.8216, 26.3747



17.9622, 15.8216, 21.3668



16.4214, 15.8216, 10.4847



12.4497, 15.8216, 13.6598

Rectangle

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



13.7345, 15.8216, 26.3747



16.3181, 15.8216, 26.5481



16.4214, 15.8216, 10.4847



13.8265, 15.8216, 10.3914

Sweetspot

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



13.7350, 15.8222, 26.3751



35.6518, 38.7211, 47.9780



14.1019, 20.5177, 14.2840



7.8103, 8.5176, 10.7387



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.7350, 15.8222, 26.3751



21.4282, 24.9665, 46.0728



10.7776, 9.9074, 25.3893



5.0283, 5.3995, 6.3830



7.5575, 8.3854, 23.2659



0.0640, 0.0832, 0.1591

Inverse Universe

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



16.1501, 11.6969, 17.9301



26.4182, 17.3295, 28.4252



19.4057, 21.2199, 9.7303



5.1609, 5.0998, 5.9358



11.3015, 5.6307, 9.3579



0.0820, 0.0402, 0.0987

Previews

White Background



This preview shows how the XYZ color 13.7345, 15.8216, 26.3747 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 XYZ color 13.7345, 15.8216, 26.3747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

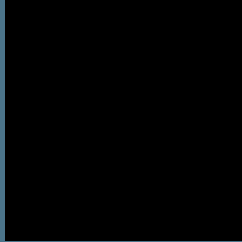
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

XYZ 13.7345, 15.8216, 26.3747

Background



This preview shows how black text looks on a background with the XYZ color 13.7345, 15.8216, 26.3747.



This preview shows how white text looks on a background with the XYZ color 13.7345, 15.8216,

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

13.7345, 15.8216, 26.3747

Protanopia

15.5280, 15.6340, 24.3896

Deuteranopia

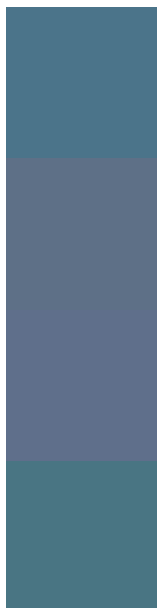
16.0400, 15.6827, 26.9926



Tritanopia

12.9817, 15.8669, 22.4571

Trichromacy



Original Color

13.7345, 15.8216, 26.3747

Protanomaly

14.7834, 15.7173, 25.1762

Deuteranomaly

15.0640, 15.6659, 26.6560

Tritanomaly

13.2057, 15.7777, 23.8221

Monochromacy



Original Color

13.7345, 15.8216, 26.3747

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.5653, 14.8928, 19.2992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7345, 15.8216, 26.3747 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(75, 116, 138)` looks like.

```
.text, #text, p{  
    color:rgb(75, 116, 138)  
}
```

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(75, 116, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 116, 138) }
```

Border

The CSS property to change the border of an element to XYZ 13.7345, 15.8216, 26.3747 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(75, 116, 138) }
```


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

```
.border{ border-color:rgb(75, 116, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 116, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 116, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 116, 138);  
box-shadow:4px 4px 4px 4px rgb(75, 116,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7345, 15.8216, 26.3747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 116, 138) }
```

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

```
.background{ background-color: rgb(75, 116,  
138) }
```

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