

Converting Colors

XYZ(14.3392, 15.6758, 33.2543)

Have a look what the booklet for
XYZ(14.3392, 15.6758, 33.2543)
contains.

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Color

**XYZ(14.3176, 15.6301,
33.2726)**

Conversions

Conversions Part 1

Format	Color
Hex	44729B
RGB	68, 114, 155
RGB Percent	27%, 45%, 61%
CMY	0.7333, 0.5529, 0.3922
CMYK	0.56, 0.26, 0.00, 0.39
HSL	208°, 39%, 44%
HSV	208°, 56%, 61%
XYZ	14.3176, 15.6301, 33.2726
YIQ	104.9200, -40.5770, 2.9990

Conversions

Conversions Part 2

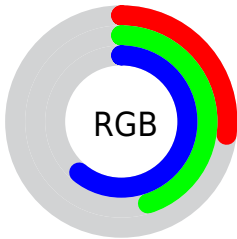
Format	Color
R _{YB}	68, 98, 155
Decimal	4485787
CIE _{Lab}	46.49, -3.29, -26.98
CIE _{LCh}	46, 27.179, 263.040
Yxy	15.6301, 0.2265, 0.2472
Android (android.graphics.Color)	4282675867 (0xFF44729B)
YUV	104.9200, 24.6894, -32.3788
Hunter-Lab	39.5349, -4.5422, -22.2240

Details

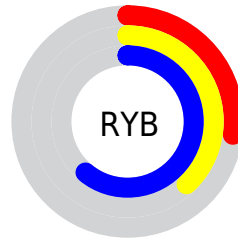
The XYZ color **14.3176, 15.6301, 33.2726** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **20.0302, 18.3241, 7.9508**, and the grayscale version is **13.3493, 14.0445, 15.2945**.

A 20% lighter version of the original color is **33.2951, 36.0632, 66.1788**, and **4.4469, 4.8959, 13.8073** is the 20% darker color. If you saturate the color by 10%, you get **12.5849, 13.5624, 32.9651**, and if you desaturate by 10%, it is **16.4031, 17.9779, 33.6162**.

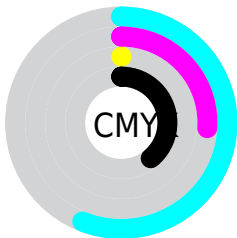
Distribution



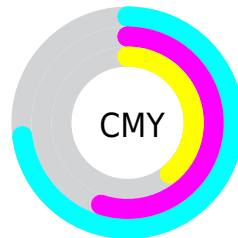
- Red (27%)
- Green (45%)
- Blue (61%)



- Red (27%)
- Yellow (38%)
- Blue (61%)



- Cyan (56%)
- Magenta (26%)
- Yellow (0%)
- Black (39%)



- Cyan (73%)
- Magenta (55%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.3176, 15.6301, 33.2726 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 14.3176, 15.6301, 33.2726 by changing the saturation by 10% instead.

■ 14.3176, 15.6301,
33.2726

■ 14.3176, 15.6301,
33.2726

212.6691,
227.1490, 331.5459

■ 8.4251, 9.2628,
22.0625

■ 33.2331, 35.9548,
65.9218

■ 4.4222, 4.9130,
13.7041

■ 46.9868, 50.6811,
88.1980

■ 1.9437, 2.1963,
7.7788

■ 64.0915, 68.9624,
115.0000

■ 0.6020, 0.7180,
3.8680

■ 84.9127, 91.1831,
146.7464

■ 0.0000, 0.0000,
1.5532

■ 109.8157,
117.7278, 183.8556

■ 0.0000, 0.0000,
0.2571

139.1659,

■ 0.0000, 0.0000,

148.9807, 226.7462

0.0000

173.3285,
185.3263, 275.8368

■ 14.3176, 15.6301,
33.2726

■ 14.3176, 15.6301,
33.2726

■ 12.5849, 13.5624,
32.9651

■ 16.4031, 17.9779,
33.6162

■ 11.1786, 11.7581,
32.6910

■ 18.8617, 20.6177,
33.9961

■ 10.0712, 10.2010,
32.4488

■ 21.7140, 23.5626,
34.4142

■ 9.2230, 8.8681,
32.2362

■ 24.9787, 26.8240,
34.8716

■ 8.9302, 8.3940,
32.1602

■ 28.6731, 30.4131,
35.3697

■ 32.8133, 34.3400,
35.9094

■ 37.4148, 38.6147,
36.4920

■ 42.4923, 43.2464,
37.1184

■ 48.0597, 48.2443,
37.7897

Harmonies

Analogous

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



12.3126, 15.6301, 29.5245



14.3176, 15.6301, 33.2726



16.6865, 15.6301, 31.8358

Triad

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



14.3176, 15.6301, 33.2726



19.3908, 15.6301, 12.4589



11.5443, 15.6301, 10.3895

Complementary

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



14.3176, 15.6301, 33.2726



20.0302, 18.3241, 7.9508

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.



13.1644, 15.6301, 7.7045



14.3176, 15.6301, 33.2726



17.7274, 15.6301, 8.6619

Square

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



14.3176, 15.6301, 33.2726



19.7823, 15.6301, 18.6275



15.4076, 15.6301, 7.1677



10.8240, 15.6301, 15.5050

Rectangle

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



14.3176, 15.6301, 33.2726



18.1417, 15.6301, 28.2747



15.4076, 15.6301, 7.1677



11.9930, 15.6301, 9.2338

Sweetspot

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



14.3181, 15.6307, 33.2730



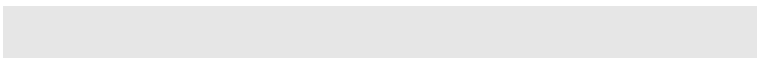
43.9890, 47.3039, 62.3484



16.8446, 25.7676, 18.4419



9.7039, 10.4566, 14.0772



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



14.3181, 15.6307, 33.2730



21.9405, 23.5447, 58.9245



10.5478, 8.0900, 32.0162



6.1412, 6.5398, 7.8676



7.2111, 6.8189, 25.8438



0.1442, 0.1748, 0.3985

Inverse Universe

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



18.6224, 12.3184, 17.3162



30.7608, 18.2629, 25.8884



25.8058, 29.8752, 9.8759



6.3384, 6.2745, 7.1621



12.0986, 6.0937, 7.0443



0.1993, 0.0985, 0.2021

Previews

White Background



This preview shows how the XYZ color 14.3176, 15.6301, 33.2726 looks on a white background.

Color Contrast Check

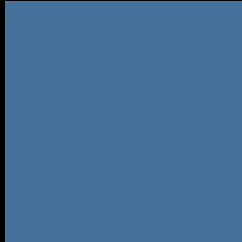
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.3176, 15.6301, 33.2726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

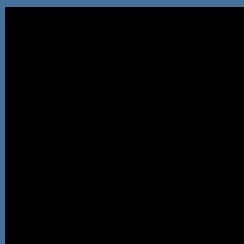
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

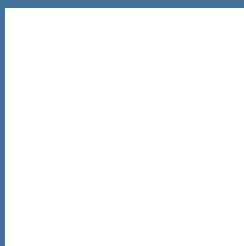
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.3176, 15.6301, 33.2726

Background



This preview shows how black text looks on a background with the XYZ color 14.3176, 15.6301, 33.2726.

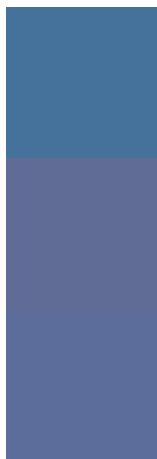


This preview shows how white text looks on a background with the XYZ color 14.3176, 15.6301,

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

14.3176, 15.6301, 33.2726

Protanopia

15.7973, 15.4685, 31.0073

Deuteranopia

15.8830, 15.6129, 33.6290



Tritanopia

12.3042, 15.6782, 23.1466

Trichromacy



Original Color

14.3176, 15.6301, 33.2726

Protanomaly

15.0812, 15.3973, 31.8829

Deuteranomaly

15.2525, 15.6082, 33.6613

Tritanomaly

12.9353, 15.5817, 26.3706

Monochromacy



Original Color

14.3176, 15.6301, 33.2726

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.3513, 14.4305, 20.8206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.3176, 15.6301, 33.2726 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(68, 114, 155)` looks like.

```
.text, #text, p{  
    color:rgb(68, 114, 155)  
}
```

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(68, 114, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 114, 155) }
```

Border

The CSS property to change the border of an element to XYZ 14.3176, 15.6301, 33.2726 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(68, 114, 155) }
```


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

```
.border{ border-color:rgb(68, 114, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 114, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 114, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 114, 155);  
box-shadow:4px 4px 4px 4px rgb(68, 114,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 14.3176, 15.6301, 33.2726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 114, 155) }
```

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

```
.background{ background-color: rgb(68, 114,  
155) }
```

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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