

Converting Colors

XYZ(14.6595, 14.6350, 33.7873)

Have a look what the booklet for
XYZ(14.6595, 14.6350, 33.7873)
contains.

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Color

**XYZ(14.7368, 14.6990,
33.9588)**

Conversions

Conversions Part 1

Format	Color
Hex	516B9D
RGB	81, 107, 157
RGB Percent	32%, 42%, 62%
CMY	0.6823, 0.5804, 0.3843
CMYK	0.48, 0.32, 0.00, 0.38
HSL	219°, 32%, 47%
HSV	219°, 48%, 62%
XYZ	14.7368, 14.6990, 33.9588
YIQ	104.9260, -31.5460, 10.0380

Conversions

Conversions Part 2

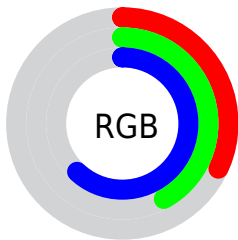
Format	Color
R_{YB}	81, 100, 157
Decimal	5335965
CIE _{Lab}	45.22, 4.74, -30.08
CIE _{LCh}	45, 30.452, 278.947
Yxy	14.6990, 0.2325, 0.2319
Android (android.graphics.Color)	4283526045 (0xFF516B9D)
YUV	104.9260, 25.6725, -20.9831
Hunter-Lab	38.3393, 1.5179, -25.6783

Details

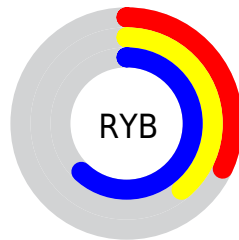
The XYZ color **14.7368, 14.6990, 33.9588** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **23.5067, 23.9955, 11.1778**, and the grayscale version is **13.3465, 14.0416, 15.2913**.

A 20% lighter version of the original color is **33.9420, 34.2755, 67.1143**, and **4.5917, 4.4713, 13.9856** is the 20% darker color. If you saturate the color by 10%, you get **12.5304, 12.0575, 33.5655**, and if you desaturate by 10%, it is **17.3839, 17.7592, 34.4102**.

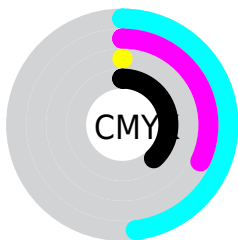
Distribution



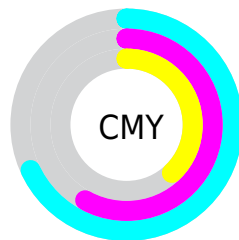
- Red (32%)
- Green (42%)
- Blue (62%)



- Red (32%)
- Yellow (39%)
- Blue (62%)



- Cyan (48%)
- Magenta (32%)
- Yellow (0%)
- Black (38%)



- Cyan (68%)
- Magenta (58%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7368, 14.6990, 33.9588 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 14.7368, 14.6990, 33.9588 by changing the saturation by 10% instead.

■ 14.7368, 14.6990,
33.9588

■ 14.7368, 14.6990,
33.9588

215.1877,
221.5370, 334.7119

■ 8.7200, 8.6084,
22.5848

■ 33.9662, 34.3243,
67.0028

■ 4.6146, 4.4867,
14.0849

■ 47.9096, 48.6277,
89.5098

■ 2.0554, 1.9493,
8.0403

■ 65.2258, 66.4376,
116.5650

■ 0.6648, 0.5778,
4.0326

■ 86.2803, 88.1383,
148.5869

■ 0.0000, 0.0000,
1.6432

■ 111.4383,
114.1142, 185.9940

■ 0.0000, 0.0000,
0.3214

141.0654,

■ 0.0000, 0.0000,

144.7497, 229.2048

0.0000

175.5267,
180.4292, 278.6379

■ 14.7368, 14.6990,
33.9588

■ 14.7368, 14.6990,
33.9588

■ 12.5304, 12.0575,
33.5655

■ 17.3839, 17.7592,
34.4102

■ 10.7370, 9.8129,
33.2268

■ 20.4943, 21.2554,
34.9211

■ 9.3278, 7.9436,
32.9402

■ 24.0904, 25.2054,
35.4940

■ 8.2690, 6.4246,
32.7029

■ 28.1930, 29.6257,
36.1310

■ 7.5003, 5.2168,
32.5102

■ 32.8216, 34.5320,
36.8341

■ 7.3915, 5.0457,
32.4829

■ 37.9944, 39.9390,
37.6051

■ 43.7289, 45.8610,
38.4459

■ 50.0418, 52.3116,
39.3583

■ 56.9491, 59.3037,
40.3438

Harmonies

Analogous

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



12.3045, 14.6990, 32.7256



14.7368, 14.6990, 33.9588



17.2373, 14.6990, 29.3761

Triad

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



14.7368, 14.6990, 33.9588



18.0804, 14.6990, 8.7808



9.9257, 14.6990, 11.5265

Complementary

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



14.7368, 14.6990, 33.9588



23.5067, 23.9955, 11.1778

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.



11.1457, 14.6990, 7.4679



14.7368, 14.6990, 33.9588



15.7815, 14.6990, 6.2454

Square

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



14.7368, 14.6990, 33.9588



19.3143, 14.6990, 13.9455



13.2321, 14.6990, 5.8503



9.7170, 14.6990, 18.2572

Rectangle

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



14.7368, 14.6990, 33.9588



18.5378, 14.6990, 24.2662



13.2321, 14.6990, 5.8503



10.2234, 14.6990, 9.8699

Sweetspot

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



14.7373, 14.6995, 33.9592



45.3344, 47.5158, 63.9088



19.5070, 27.4862, 25.5379



9.6718, 10.1265, 14.0152



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.



14.7373, 14.6995, 33.9592



22.1884, 21.2848, 60.0657



13.4825, 10.6158, 33.2370



6.4610, 6.7878, 8.3763



6.0349, 4.1613, 26.3924



0.1452, 0.1490, 0.4843

Inverse Universe

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



19.5014, 14.1151, 15.6070



31.9802, 20.9524, 22.1504



25.3257, 30.7828, 12.3921



6.7220, 6.6817, 7.3874



11.8443, 6.0423, 3.4313



0.2306, 0.1156, 0.1605

Previews

White Background



This preview shows how the XYZ color 14.7368, 14.6990, 33.9588 looks on a white background.

Color Contrast Check

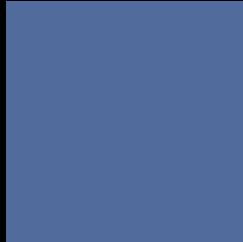
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.7368, 14.6990, 33.9588 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

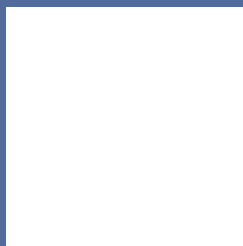
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.7368, 14.6990, 33.9588

Background



This preview shows how black text looks on a background with the XYZ color 14.7368, 14.6990, 33.9588.

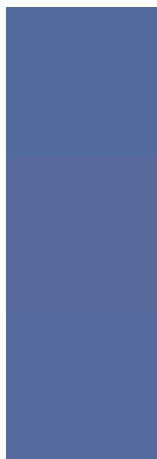


This preview shows how white text looks on a background with the XYZ color 14.7368, 14.6990,

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

14.7368, 14.6990, 33.9588

Protanopia

15.1844, 14.6434, 33.0365

Deuteranopia

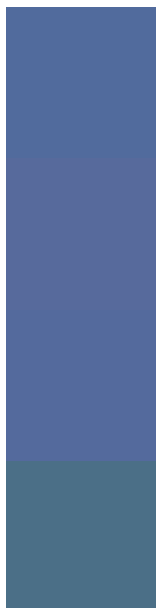
14.9861, 14.6737, 33.9407



Tritanopia

12.1910, 14.8043, 20.9539

Trichromacy



Original Color

14.7368, 14.6990, 33.9588

Protanomaly

15.0853, 14.7346, 33.5015

Deuteranomaly

14.8960, 14.6272, 33.9365

Tritanomaly

12.9593, 14.6140, 25.0594

Monochromacy



Original Color

14.7368, 14.6990, 33.9588

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.6160, 14.2501, 21.1017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7368, 14.6990, 33.9588 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(81, 107, 157)` looks like.

```
.text, #text, p{  
    color:rgb(81, 107, 157)  
}
```

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(81, 107, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 107, 157) }
```

Border

The CSS property to change the border of an element to XYZ 14.7368, 14.6990, 33.9588 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(81, 107, 157) }
```


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

```
.border{ border-color:rgb(81, 107, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 107, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 107, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 107, 157);  
box-shadow:4px 4px 4px 4px rgb(81, 107,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7368, 14.6990, 33.9588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 107, 157) }
```

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

```
.background{ background-color: rgb(81, 107,  
157) }
```

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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