

Converting Colors

XYZ(14.8222, 13.5898, 30.4528)

Have a look what the booklet for
XYZ(14.8222, 13.5898, 30.4528)
contains.

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Color

**XYZ(14.8164, 13.6350,
30.2847)**

Conversions

Conversions Part 1

Format	Color
Hex	616395
RGB	97, 99, 149
RGB Percent	38%, 39%, 58%
CMY	0.6196, 0.6118, 0.4157
CMYK	0.35, 0.34, 0.00, 0.42
HSL	238°, 21%, 48%
HSV	238°, 35%, 58%
XYZ	14.8164, 13.6350, 30.2847
YIQ	104.1020, -17.2420, 15.1260

Conversions

Conversions Part 2

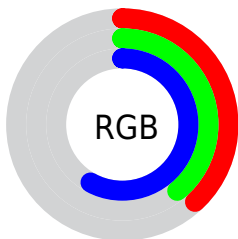
Format	Color
R_{YB}	97, 99, 149
Decimal	6382485
CIE _{Lab}	43.70, 11.75, -27.61
CIE _{LCh}	44, 30.007, 293.044
Yxy	13.6350, 0.2523, 0.2321
Android (android.graphics.Color)	4284572565 (0xFF616395)
YUV	104.1020, 22.1347, -6.2285
Hunter-Lab	36.9256, 7.0033, -22.7790

Details

The XYZ color **14.8164, 13.6350, 30.2847** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.9861, 28.1203, 15.4206**, and the grayscale version is **13.1317, 13.8156, 15.0451**.

A 20% lighter version of the original color is **34.0803, 32.5141, 60.9795**, and **4.6500, 4.0324, 12.0885** is the 20% darker color. If you saturate the color by 10%, you get **12.1364, 10.4143, 29.8045**, and if you desaturate by 10%, it is **18.0364, 17.4921, 30.8597**.

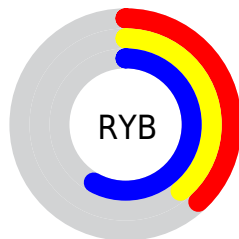
Distribution



Red (38%)

Green (39%)

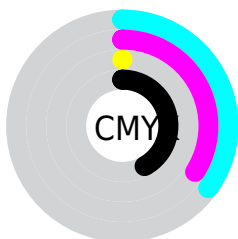
Blue (58%)



Red (38%)

Yellow (39%)

Blue (58%)

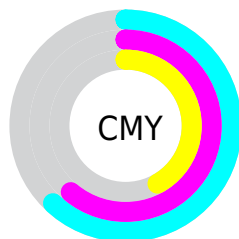


Cyan (35%)

Magenta (34%)

Yellow (0%)

Black (42%)



Cyan (62%)

Magenta (61%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8164, 13.6350, 30.2847 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 14.8164, 13.6350, 30.2847 by changing the saturation by 10% instead.

■ 14.8164, 13.6350,
30.2847

■ 14.8164, 13.6350,
30.2847

215.6627,
214.9482, 317.4778

■ 8.7761, 7.8672,
19.8009

■ 34.1051, 32.4400,
61.1784

■ 4.6514, 4.0101,
12.0678

■ 48.0842, 46.2460,
82.4255

■ 2.0768, 1.6792,
6.6667

■ 65.4402, 63.5002,
108.0973

■ 0.6766, 0.4102,
3.1793

■ 86.5386, 84.5870,
138.6125

■ 0.0000, 0.0000,
1.1869

111.7447,
109.8908, 174.3896

■ 0.0000, 0.0000,
0.0000

141.4239,

139.7960, 215.8472

175.9414,
174.6870, 263.4037

■ 14.8164, 13.6350,
30.2847

■ 14.8164, 13.6350,
30.2847

■ 12.1364, 10.4143,
29.8045

■ 18.0364, 17.4921,
30.8597

■ 9.9655, 7.7944,
29.4133

■ 21.8222, 22.0155,
31.5333

■ 8.2718, 5.7385,
29.1057

■ 26.1996, 27.2353,
32.3101

■ 7.0195, 4.2051,
28.8757

■ 31.1925, 33.1792,
33.1942

■ 6.1673, 3.1471,
28.7164

■ 36.8235, 39.8732,
34.1895

■ 5.6645, 2.5079,
28.6196

■ 43.1138, 47.3423,
35.2997

■ 5.4871, 2.2944,
28.5877

■ 50.0840, 55.6101,
36.5282

■ 57.7535, 64.6995,
37.8784

■ 66.1411, 74.6322,
39.3535

Harmonies

Analogous

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



12.4183, 13.6350, 31.8226



14.8164, 13.6350, 30.2847



16.9303, 13.6350, 24.0996

Triad

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



14.8164, 13.6350, 30.2847



15.8806, 13.6350, 6.7004



8.9604, 13.6350, 13.3287

Complementary

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



14.8164, 13.6350, 30.2847



24.9861, 28.1203, 15.4206

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.



9.6641, 13.6350, 8.3287



14.8164, 13.6350, 30.2847



13.5165, 13.6350, 5.3280

Square

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



14.8164, 13.6350, 30.2847



17.5949, 13.6350, 10.3219



11.2649, 13.6350, 5.8172



9.2196, 13.6350, 20.5302

Rectangle

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



14.8164, 13.6350, 30.2847



17.7976, 13.6350, 18.9636



11.2649, 13.6350, 5.8172



9.0890, 13.6350, 11.3726

Sweetspot

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



14.8169, 13.6355, 30.2850



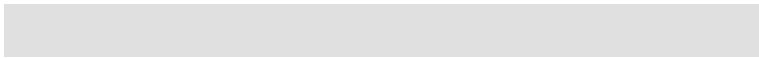
42.6266, 43.6574, 57.1013



20.8971, 26.1244, 31.2990



9.2295, 9.4161, 12.6159



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.



14.8169, 13.6355, 30.2850



22.6407, 19.7412, 53.5384



17.5013, 14.7415, 30.3570



5.5163, 5.6666, 7.2728



4.6232, 1.9413, 24.0621



0.0601, 0.0309, 0.2957

Inverse Universe

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



18.9217, 15.8403, 13.8651



31.1611, 24.3707, 19.4432



21.4508, 26.7636, 15.3451



5.8093, 5.8188, 6.1019



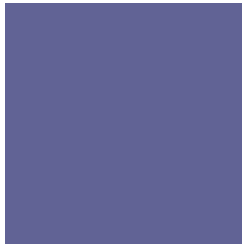
10.4607, 5.3893, 0.6410



0.1298, 0.0667, 0.0173

Previews

White Background



This preview shows how the XYZ color 14.8164, 13.6350, 30.2847 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 14.8164, 13.6350, 30.2847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

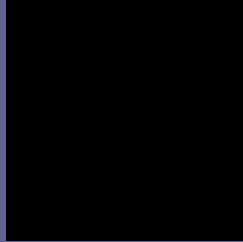
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.8164, 13.6350, 30.2847

Background



This preview shows how black text looks on a background with the XYZ color 14.8164, 13.6350, 30.2847.

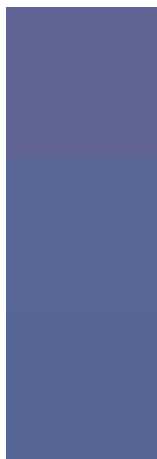


This preview shows how white text looks on a background with the XYZ color 14.8164, 13.6350,

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

14.8164, 13.6350, 30.2847

Protanopia

14.2678, 13.7633, 31.1828

Deuteranopia

13.9344, 13.6193, 29.9113



Tritanopia

12.3111, 13.6468, 17.9048

Trichromacy



Original Color

14.8164, 13.6350, 30.2847

Protanomaly

14.4731, 13.7335, 30.7422

Deuteranomaly

14.2154, 13.6191, 29.8965

Tritanomaly

13.0946, 13.5081, 21.9958

Monochromacy



Original Color

14.8164, 13.6350, 30.2847

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.5084, 13.6255, 19.6873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8164, 13.6350, 30.2847 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(97, 99, 149)` looks like.

```
.text, #text, p{  
    color:rgb(97, 99, 149)  
}
```

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(97, 99, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 99, 149) }
```

Border

The CSS property to change the border of an element to XYZ 14.8164, 13.6350, 30.2847 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(97, 99, 149) }
```


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

```
.border{ border-color:rgb(97, 99, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 99, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 99, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 99, 149);  
box-shadow:4px 4px 4px 4px rgb(97, 99,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8164, 13.6350, 30.2847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 99, 149) }
```

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

```
.background{ background-color: rgb(97, 99,  
149) }
```

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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