

Converting Colors

XYZ(14.6199, 13.1976, 30.2123)

Have a look what the booklet for
XYZ(14.6199, 13.1976, 30.2123)
contains.

XYZ(14.6293, 13.2607, 30.2223)	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(14.6293, 13.2607,
30.2223)**

Conversions

Conversions Part 1

Format	Color
Hex	616195
RGB	97, 97, 149
RGB Percent	38%, 38%, 58%
CMY	0.6196, 0.6196, 0.4157
CMYK	0.35, 0.35, 0.00, 0.42
HSL	240°, 21%, 48%
HSV	240°, 35%, 58%
XYZ	14.6293, 13.2607, 30.2223
YIQ	102.9280, -16.6920, 16.1720

Conversions

Conversions Part 2

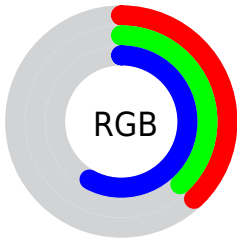
Format	Color
R_{YB}	97, 97, 149
Decimal	6381973
CIE _{Lab}	43.15, 12.99, -28.47
CIE _{LCh}	43, 31.295, 294.515
Yxy	13.2607, 0.2517, 0.2282
Android (android.graphics.Color)	4284572053 (0xFF616195)
YUV	102.9280, 22.7135, -5.1989
Hunter-Lab	36.4152, 7.9831, -23.7162

Details

The XYZ color **14.6293, 13.2607, 30.2223** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.2997, 28.7477, 15.5251**, and the grayscale version is **12.8186, 13.4861, 14.6864**.

A 20% lighter version of the original color is **33.7638, 31.8812, 60.8740**, and **4.5607, 3.8538, 12.0588** is the 20% darker color. If you saturate the color by 10%, you get **11.9385, 10.0183, 29.7385**, and if you desaturate by 10%, it is **17.8779, 17.1750, 30.8069**.

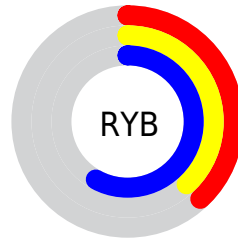
Distribution



Red (38%)

Green (38%)

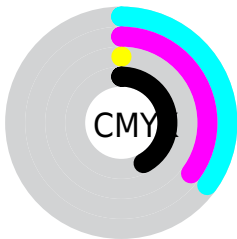
Blue (58%)



Red (38%)

Yellow (38%)

Blue (58%)

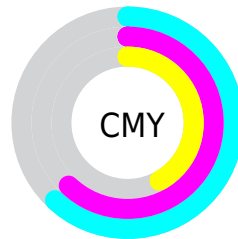


Cyan (35%)

Magenta (35%)

Yellow (0%)

Black (42%)



Cyan (62%)

Magenta (62%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6293, 13.2607, 30.2223 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 14.6293, 13.2607, 30.2223 by changing the saturation by 10% instead.

■ 14.6293, 13.2607,
30.2223

■ 14.6293, 13.2607,
30.2223

214.5445,
212.5818, 317.1788

■ 8.6443, 7.6083,
19.7539

■ 33.7786, 31.7714,
61.0787

■ 4.5651, 3.8454,
12.0340

■ 47.6735, 45.3984,
82.3038

■ 2.0265, 1.5874,
6.6440

■ 64.9357, 62.4525,
107.9515

■ 0.6488, 0.3491,
3.1654

■ 85.9307, 83.3179,
138.4405

■ 0.0000, 0.0000,
1.1797

111.0237,
108.3792, 174.1891

■ 0.0000, 0.0000,
0.0000

140.5801,

138.0207, 215.6160

174.9653,
172.6267, 263.1397

■ 14.6293, 13.2607,
30.2223

■ 14.6293, 13.2607,
30.2223

■ 11.9385, 10.0183,
29.7385

■ 17.8779, 17.1750,
30.8069

■ 9.7727, 7.4088,
29.3490

■ 21.7117, 21.7944,
31.4964

■ 8.0982, 5.3911,
29.0478

■ 26.1579, 27.1519,
32.2962

■ 6.8765, 3.9190,
28.8280

■ 31.2417, 33.2776,
33.2106

■ 6.0635, 2.9395,
28.6818

■ 36.9869, 40.2002,
34.2440

■ 5.6025, 2.3840,
28.5989

■ 43.4160, 47.9469,
35.4004

■ 5.4249, 2.1700,
28.5669

■ 50.5506, 56.5436,
36.6837

■ 58.4110, 66.0150,
38.0976

■ 67.0171, 76.3849,
39.6456

Harmonies

Analogous

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



12.1655, 13.2607, 32.1217



14.6293, 13.2607, 30.2223



16.7731, 13.2607, 23.6101

Triad

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



14.6293, 13.2607, 30.2223



15.4944, 13.2607, 6.0948



8.5256, 13.2607, 13.2051

Complementary

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



14.6293, 13.2607, 30.2223



25.2997, 28.7477, 15.5251

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.



9.1900, 13.2607, 8.0158



14.6293, 13.2607, 30.2223



13.0527, 13.2607, 4.8378

Square

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



14.6293, 13.2607, 30.2223



17.3156, 13.2607, 9.5960



10.7746, 13.2607, 5.4075



8.8353, 13.2607, 20.6856

Rectangle

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



14.6293, 13.2607, 30.2223



17.6263, 13.2607, 18.2860



10.7746, 13.2607, 5.4075



8.6396, 13.2607, 11.1728

Sweetspot

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



14.6298, 13.2612, 30.2226



42.4818, 43.3677, 57.0530



21.1024, 26.2065, 32.3802



9.1940, 9.3452, 12.6041



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.



14.6298, 13.2612, 30.2226



22.2878, 19.0351, 53.4207



17.8683, 14.9307, 30.3742



5.4995, 5.6330, 7.2672



4.5658, 1.8263, 24.0429



0.0559, 0.0224, 0.2943

Inverse Universe

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



22.0942, 17.1093, 30.5716



37.7507, 27.0066, 54.1436



21.0738, 26.5692, 15.3274



6.0353, 5.9092, 7.2922



14.9973, 7.2040, 24.5303



0.1836, 0.0882, 0.3002

Previews

White Background



This preview shows how the XYZ color 14.6293, 13.2607, 30.2223 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 14.6293, 13.2607, 30.2223 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 14.6293, 13.2607, 30.2223

Background



This preview shows how black text looks on a background with the XYZ color 14.6293, 13.2607, 30.2223.



This preview shows how white text looks on a background with the XYZ color 14.6293, 13.2607,

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

14.6293, 13.2607, 30.2223

Protanopia

13.8808, 13.2662, 31.5348

Deuteranopia

13.5663, 13.2845, 29.8661



Tritanopia

12.0508, 13.2167, 17.5387

Trichromacy



Original Color

14.6293, 13.2607, 30.2223

Protanomaly

14.1676, 13.2819, 31.0951

Deuteranomaly

13.9270, 13.3272, 29.8553

Tritanomaly

12.8332, 13.0890, 21.5887

Monochromacy



Original Color

14.6293, 13.2607, 30.2223

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.4107, 13.4301, 19.6548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6293, 13.2607, 30.2223 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, 97, 149)` looks like.

```
.text, #text, p{  
    color:rgb(97, 97, 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, 97, 149) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 14.6293, 13.2607, 30.2223 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, 97, 149) }
```


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

```
.border{ border-color:rgb(97, 97, 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, 97, 149)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 14.6293, 13.2607, 30.2223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(97, 97,  
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](#).

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