

Converting Colors

XYZ(14.9002, 14.9620, 34.6255)

Have a look what the booklet for
XYZ(14.9002, 14.9620, 34.6255)
contains.

XYZ(14.8424, 14.8992, 34.4413)	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(14.8424, 14.8992,
34.4413)**

Conversions

Conversions Part 1

Format	Color
Hex	506C9E
RGB	80, 108, 158
RGB Percent	31%, 42%, 62%
CMY	0.6863, 0.5765, 0.3804
CMYK	0.49, 0.32, 0.00, 0.38
HSL	218°, 33%, 47%
HSV	218°, 49%, 62%
XYZ	14.8424, 14.8992, 34.4413
YIQ	105.3280, -32.7380, 9.6140

Conversions

Conversions Part 2

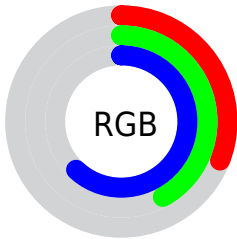
Format	Color
R_{YB}	80, 101, 158
Decimal	5270686
CIE _{Lab}	45.50, 4.18, -30.24
CIE _{LCh}	45, 30.532, 277.876
Yxy	14.8992, 0.2313, 0.2321
Android (android.graphics.Color)	4283460766 (0xFF506C9E)
YUV	105.3280, 25.9673, -22.2127
Hunter-Lab	38.5995, 1.0883, -25.8833

Details

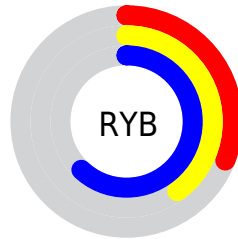
The XYZ color **14.8424, 14.8992, 34.4413** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **23.5318, 23.8145, 10.9466**, and the grayscale version is **13.4548, 14.1554, 15.4153**.

A 20% lighter version of the original color is **34.0812, 34.5869, 67.8305**, and **4.6470, 4.5723, 14.2733** is the 20% darker color. If you saturate the color by 10%, you get **12.6551, 12.2771, 34.0508**, and if you desaturate by 10%, it is **17.4686, 17.9323, 34.8886**.

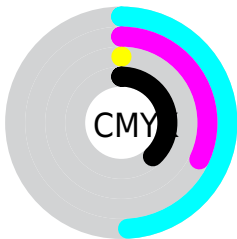
Distribution



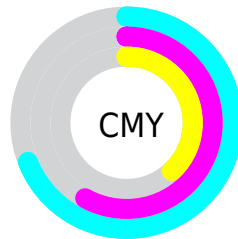
- Red (31%)
- Green (42%)
- Blue (62%)



- Red (31%)
- Yellow (40%)
- Blue (62%)



- Cyan (49%)
- Magenta (32%)
- Yellow (0%)
- Black (38%)



- Cyan (69%)
- Magenta (58%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8424, 14.8992, 34.4413 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 14.8424, 14.8992, 34.4413 by changing the saturation by 10% instead.

■ 14.8424, 14.8992,
34.4413

■ 14.8424, 14.8992,
34.4413

215.8177,
222.7553, 336.9244

■ 8.7944, 8.7487,
22.9527

■ 34.1504, 34.6763,
67.7611

■ 4.6634, 4.5776,
14.3536

■ 48.1412, 49.0716,
90.4293

■ 2.0839, 2.0016,
8.2255

■ 65.5102, 66.9839,
117.6612

■ 0.6804, 0.6084,
4.1497

■ 86.6229, 88.7977,
149.8753

■ 0.0000, 0.0000,
1.7078

■ 111.8447,
114.8974, 187.4902

■ 0.0000, 0.0000,
0.3661

141.5408,

■ 0.0000, 0.0000,

145.6673, 230.9242

0.0000

176.0767,
181.4918, 280.5961

■ 14.8424, 14.8992,
34.4413

■ 14.8424, 14.8992,
34.4413

■ 12.6551, 12.2771,
34.0508

■ 17.4686, 17.9323,
34.8886

■ 10.8785, 10.0445,
33.7135

■ 20.5564, 21.3933,
35.3939

■ 9.4834, 8.1799,
33.4271

■ 24.1284, 25.3000,
35.9597

■ 8.4355, 6.6585,
33.1887

■ 28.2056, 29.6684,
36.5880

■ 7.6651, 5.4370,
32.9935

■ 32.8075, 34.5140,
37.2808

■ 7.6207, 5.3669,
32.9823

■ 37.9526, 39.8513,
38.0398

■ 43.6584, 45.6943,
38.8669

■ 49.9416, 52.0563,
39.7637

■ 56.8183, 58.9502,
40.7319

Harmonies

Analogous

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



12.3971, 14.8992, 32.9764



14.8424, 14.8992, 34.4413



17.3830, 14.8992, 29.9899

Triad

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



14.8424, 14.8992, 34.4413



18.3857, 14.8992, 9.0500



10.0946, 14.8992, 11.4963

Complementary

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



14.8424, 14.8992, 34.4413



23.5318, 23.8145, 10.9466

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.



11.3644, 14.8992, 7.4844



14.8424, 14.8992, 34.4413



16.0853, 14.8992, 6.3954

Square

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



14.8424, 14.8992, 34.4413



19.5826, 14.8992, 14.3772



13.5013, 14.8992, 5.9238



9.8460, 14.8992, 18.2198

Rectangle

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



14.8424, 14.8992, 34.4413



18.7229, 14.8992, 24.8744



13.5013, 14.8992, 5.9238



10.4081, 14.8992, 9.8533

Sweetspot

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



14.8429, 14.8997, 34.4417



46.7188, 49.0716, 65.7529



19.5248, 27.7553, 25.2374



10.2092, 10.7152, 14.7738



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



14.8429, 14.8997, 34.4417



22.7007, 21.9503, 61.7838



13.2964, 10.4005, 33.6547



6.4699, 6.8056, 8.3793



6.1380, 4.3675, 26.4267



0.1480, 0.1546, 0.4853

Inverse Universe

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



19.6765, 14.0898, 15.8703



32.7550, 21.2181, 22.9398



25.8158, 31.2919, 12.2695



6.7265, 6.6835, 7.4110



11.8964, 6.0631, 3.7053



0.2320, 0.1161, 0.1679

Previews

White Background



This preview shows how the XYZ color 14.8424, 14.8992, 34.4413 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 14.8424, 14.8992, 34.4413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

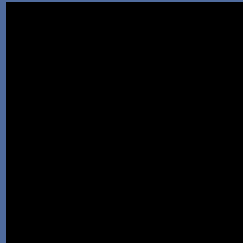
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

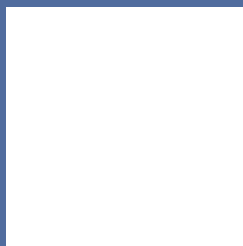
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.8424, 14.8992, 34.4413

Background



This preview shows how black text looks on a background with the XYZ color 14.8424, 14.8992, 34.4413.



This preview shows how white text looks on a background with the XYZ color 14.8424, 14.8992,

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

14.8424, 14.8992, 34.4413

Protanopia

15.4692, 14.9325, 33.5194

Deuteranopia

15.1756, 14.9153, 34.4269



Tritanopia

12.2231, 14.9819, 21.3164

Trichromacy



Original Color

14.8424, 14.8992, 34.4413

Protanomaly

15.2740, 14.9759, 33.9839

Deuteranomaly

14.9965, 14.8230, 34.4185

Tritanomaly

12.9858, 14.7824, 25.4614

Monochromacy



Original Color

14.8424, 14.8992, 34.4413

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 14.8424, 14.8992, 34.4413 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(80, 108, 158)` looks like.

```
.text, #text, p{  
    color:rgb(80, 108, 158)  
}
```

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(80, 108, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 108, 158) }
```

Border

The CSS property to change the border of an element to XYZ 14.8424, 14.8992, 34.4413 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(80, 108, 158) }
```


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

```
.border{ border-color:rgb(80, 108, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 108, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 108, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 108, 158);  
box-shadow:4px 4px 4px 4px rgb(80, 108,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8424, 14.8992, 34.4413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 108, 158) }
```

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

```
.background{ background-color: rgb(80, 108,  
158) }
```

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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