

Converting Colors

XYZ(18.3426, 14.8884, 34.8790)

Have a look what the booklet for
XYZ(18.3426, 14.8884, 34.8790)
contains.

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Color

**XYZ(18.3260, 14.9339,
34.7175)**

Conversions

Conversions Part 1

Format	Color
Hex	79609F
RGB	121, 96, 159
RGB Percent	47%, 38%, 62%
CMY	0.5255, 0.6235, 0.3765
CMYK	0.24, 0.40, 0.00, 0.38
HSL	264°, 25%, 50%
HSV	264°, 40%, 62%
XYZ	18.3260, 14.9339, 34.7175
YIQ	110.6570, -5.3230, 24.8930

Conversions

Conversions Part 2

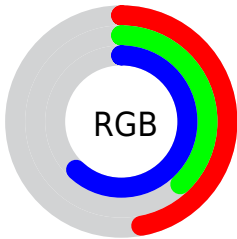
Format	Color
R_{YB}	121, 96, 159
Decimal	7954591
CIE _{Lab}	45.54, 23.58, -30.52
CIE _{LCh}	46, 38.572, 307.687
Yxy	14.9339, 0.2696, 0.2197
Android (android.graphics.Color)	4286144671 (0xFF79609F)
YUV	110.6570, 23.8331, 9.0708
Hunter-Lab	38.6444, 17.0208, -26.2141

Details

The XYZ color **18.3260, 14.9339, 34.7175** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.3414, 30.7095, 15.7115**, and the grayscale version is **14.9450, 15.7233, 17.1227**.

A 20% lighter version of the original color is **40.2505, 34.8364, 68.2210**, and **6.2779, 4.5603, 14.4593** is the 20% darker color. If you saturate the color by 10%, you get **15.7416, 11.6618, 34.2224**, and if you desaturate by 10%, it is **21.3385, 18.8629, 35.3173**.

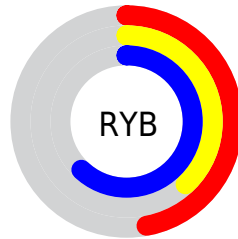
Distribution



Red (47%)

Green (38%)

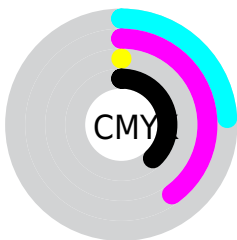
Blue (62%)



Red (47%)

Yellow (38%)

Blue (62%)

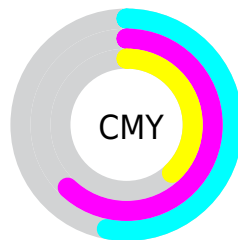


Cyan (24%)

Magenta (40%)

Yellow (0%)

Black (38%)



Cyan (53%)

Magenta (62%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3260, 14.9339, 34.7175 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 18.3260, 14.9339, 34.7175 by changing the saturation by 10% instead.

■ 18.3260, 14.9339,
34.7175

■ 18.3260, 14.9339,
34.7175

235.7124,
222.9658, 338.1859

■ 11.2854, 8.7730,
23.1635

■ 40.1178, 34.7372,
68.1945

■ 6.3278, 4.5934,
14.5079

■ 55.5997, 49.1484,
90.9546

■ 3.0880, 2.0107,
8.3320

■ 74.6260, 67.0784,
118.2872

■ 1.2005, 0.6137,
4.2173

■ 97.5622, 88.9118,
150.6108

■ 0.1067, 0.0000,
1.7453

124.7736,
115.0328, 188.3439

■ 0.0000, 0.0000,
0.3915

156.6255,

■ 0.0000, 0.0000,

145.8258, 231.9051

0.0000

193.4833,
181.6754, 281.7129

■ 18.3260, 14.9339,
34.7175

■ 18.3260, 14.9339,
34.7175

■ 15.7416, 11.6618,
34.2224

■ 21.3385, 18.8629,
35.3173

■ 13.5620, 9.0072,
33.8249

■ 24.7975, 23.4815,
36.0265

■ 11.7641, 6.9291,
33.5185

■ 28.7223, 28.8223,
36.8505

■ 10.3210, 5.3807,
33.2957

■ 33.1304, 34.9155,
37.7943

■ 9.2022, 4.3072,
33.1475

■ 38.0385, 41.7892,
38.8624

■ 8.3439, 3.5882,
33.0539

■ 43.4622, 49.4704,
40.0591

■ 8.3140, 3.5631,
33.0507

■ 49.4168, 57.9844,
41.3887

■ 55.9165, 67.3557,
42.8549

■ 62.9754, 77.6076,
44.4617

Harmonies

Analogous

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



15.0387, 14.9339, 40.9248



18.3260, 14.9339, 34.7175



20.7275, 14.9339, 23.9649

Triad

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



18.3260, 14.9339, 34.7175



16.6772, 14.9339, 4.7540



8.8998, 14.9339, 18.7496

Complementary

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



18.3260, 14.9339, 34.7175



24.3414, 30.7095, 15.7115

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.



9.2021, 14.9339, 10.4144



18.3260, 14.9339, 34.7175



13.3820, 14.9339, 4.2576

Square

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



18.3260, 14.9339, 34.7175



19.6796, 14.9339, 7.6503



10.7354, 14.9339, 5.8773



9.8365, 14.9339, 29.6890

Rectangle

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



18.3260, 14.9339, 34.7175



21.3233, 14.9339, 16.9867



10.7354, 14.9339, 5.8773



8.8628, 14.9339, 15.5553

Sweetspot

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



18.3265, 14.9345, 34.7178



49.5242, 48.9966, 65.5905



19.7254, 22.2766, 36.0613



10.9702, 10.7801, 14.7462



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.



18.3265, 14.9345, 34.7178



28.4952, 21.2631, 61.3458



23.3248, 17.5112, 34.9518



6.5214, 6.5572, 8.3286



6.6112, 2.8372, 26.1064



0.1644, 0.0745, 0.4690

Inverse Universe

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



22.7845, 17.4585, 24.7238



37.9009, 26.5986, 39.7963



20.1437, 28.5455, 15.5151



6.7926, 6.7099, 7.7588



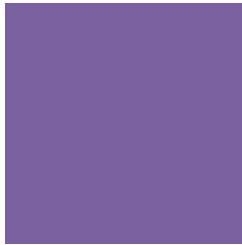
12.9782, 6.4958, 9.4022



0.2525, 0.1243, 0.2757

Previews

White Background



This preview shows how the XYZ color 18.3260, 14.9339, 34.7175 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 18.3260, 14.9339, 34.7175 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 18.3260, 14.9339, 34.7175

Background



This preview shows how black text looks on a background with the XYZ color 18.3260, 14.9339, 34.7175.

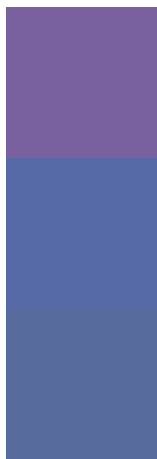


This preview shows how white text looks on a background with the XYZ color 18.3260, 14.9339,

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

18.3260, 14.9339, 34.7175

Protanopia

15.9668, 15.0765, 38.6277

Deuteranopia

15.3680, 15.0244, 33.9883



Tritanopia

15.0013, 15.0337, 18.0307

Trichromacy



Original Color

18.3260, 14.9339, 34.7175

Protanomaly

16.5978, 14.8357, 37.1107

Deuteranomaly

16.2773, 14.8784, 34.3617

Tritanomaly

15.9831, 14.8275, 23.1387

Monochromacy



Original Color

18.3260, 14.9339, 34.7175

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.1205, 15.5114, 22.5664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3260, 14.9339, 34.7175 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(121, 96, 159)` looks like.

```
.text, #text, p{  
    color:rgb(121, 96, 159)  
}
```

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(121, 96, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 96, 159) }
```

Border

The CSS property to change the border of an element to XYZ 18.3260, 14.9339, 34.7175 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(121, 96, 159) }
```


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

```
.border{ border-color:rgb(121, 96, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 96, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 96, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 96, 159);  
box-shadow:4px 4px 4px 4px rgb(121, 96,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3260, 14.9339, 34.7175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 96, 159) }
```

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

```
.background{ background-color: rgb(121, 96,  
159) }
```

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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