

Converting Colors

XYZ(18.3400, 14.9135, 35.0287)

Have a look what the booklet for
XYZ(18.3400, 14.9135, 35.0287)
contains.

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Color

**XYZ(18.4132, 14.9688,
35.1765)**

Conversions

Conversions Part 1

Format	Color
Hex	7960A0
RGB	121, 96, 160
RGB Percent	47%, 38%, 63%
CMY	0.5255, 0.6235, 0.3725
CMYK	0.24, 0.40, 0.00, 0.37
HSL	263°, 25%, 50%
HSV	263°, 40%, 63%
XYZ	18.4132, 14.9688, 35.1765
YIQ	110.7710, -5.6440, 25.2040

Conversions

Conversions Part 2

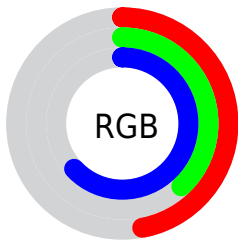
Format	Color
R_{YB}	121, 96, 160
Decimal	7954592
CIE _{Lab}	45.59, 23.83, -31.04
CIE _{LCh}	46, 39.135, 307.515
Yxy	14.9688, 0.2686, 0.2183
Android (android.graphics.Color)	4286144672 (0xFF7960A0)
YUV	110.7710, 24.2699, 8.9708
Hunter-Lab	38.6895, 17.2454, -26.8238

Details

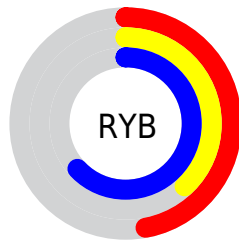
The XYZ color **18.4132, 14.9688, 35.1765** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.6743, 31.1374, 15.7766**, and the grayscale version is **14.9768, 15.7567, 17.1591**.

A 20% lighter version of the original color is **40.3787, 34.8877, 68.8958**, and **6.3309, 4.5814, 14.7380** is the 20% darker color. If you saturate the color by 10%, you get **15.8013, 11.6717, 34.6780**, and if you desaturate by 10%, it is **21.4614, 18.9325, 35.7812**.

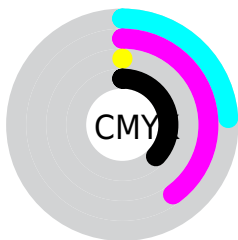
Distribution



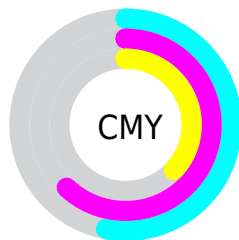
- Red (47%)
- Green (38%)
- Blue (63%)



- Red (47%)
- Yellow (38%)
- Blue (63%)



- Cyan (24%)
- Magenta (40%)
- Yellow (0%)
- Black (37%)



- Cyan (53%)
- Magenta (62%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4132, 14.9688, 35.1765 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 18.4132, 14.9688, 35.1765 by changing the saturation by 10% instead.

■ 18.4132, 14.9688,
35.1765

■ 18.4132, 14.9688,
35.1765

236.1906,
223.1773, 340.2746

■ 11.3485, 8.7975,
23.5142

■ 40.2647, 34.7984,
68.9138

■ 6.3708, 4.6093,
14.7648

■ 55.7823, 49.2256,
91.8259

■ 3.1146, 2.0199,
8.5097

■ 74.8483, 67.1734,
119.3250

■ 1.2147, 0.6190,
4.3304

■ 97.8279, 89.0264,
151.8296

■ 0.1179, 0.0000,
1.8083

125.0866,
115.1688, 189.7584

■ 0.0000, 0.0000,
0.4334

156.9897,

■ 0.0000, 0.0000,

145.9852, 233.5298

0.0000

193.9026,
181.8599, 283.5623

■ 18.4132, 14.9688,
35.1765

■ 18.4132, 14.9688,
35.1765

■ 15.8013, 11.6717,
34.6780

■ 21.4614, 18.9325,
35.7812

■ 13.6019, 9.0009,
34.2784

■ 24.9647, 23.5963,
36.4967

■ 11.7911, 6.9147,
33.9712

■ 28.9430, 28.9934,
37.3288

■ 10.3416, 5.3651,
33.7485

■ 33.4141, 35.1545,
38.2824

■ 9.2218, 4.2961,
33.6012

■ 38.3951, 42.1084,
39.3621

■ 8.3634, 3.5786,
33.5079

■ 43.9022, 49.8823,
40.5723

■ 8.3633, 3.5785,
33.5079

■ 49.9507, 58.5024,
41.9174

■ 56.5555, 67.9935,
43.4012

■ 63.7307, 78.3793,
45.0277

Harmonies

Analogous

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



15.0663, 14.9688, 41.4852



18.4132, 14.9688, 35.1765



20.8687, 14.9688, 24.2067

Triad

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



18.4132, 14.9688, 35.1765



16.7719, 14.9688, 4.6748



8.8568, 14.9688, 18.7706

Complementary

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



18.4132, 14.9688, 35.1765



24.6743, 31.1374, 15.7766

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.



9.1697, 14.9688, 10.3328



18.4132, 14.9688, 35.1765



13.4203, 14.9688, 4.1660

Square

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



18.4132, 14.9688, 35.1765



19.8243, 14.9688, 7.6036



10.7295, 14.9688, 5.7765



9.7975, 14.9688, 29.9187

Rectangle

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



18.4132, 14.9688, 35.1765



21.4845, 14.9688, 17.0923



10.7295, 14.9688, 5.7765



8.8218, 14.9688, 15.5296

Sweetspot

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



18.4137, 14.9694, 35.1768



50.8624, 50.3369, 67.4218



19.8988, 22.4839, 36.5490



10.9606, 10.7752, 14.7458



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.



18.4137, 14.9694, 35.1768



29.1627, 21.7787, 63.0532



23.5774, 17.6314, 35.4185



6.5176, 6.5553, 8.3285



6.5615, 2.8116, 26.1041



0.1632, 0.0739, 0.4689

Inverse Universe

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



23.0537, 17.5892, 25.1022



39.0086, 27.3483, 41.2004



20.3298, 28.8978, 15.5733



6.7943, 6.7106, 7.7678



13.0142, 6.5102, 9.5916



0.2530, 0.1245, 0.2784

Previews

White Background



This preview shows how the XYZ color 18.4132, 14.9688, 35.1765 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 18.4132, 14.9688, 35.1765 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 18.4132, 14.9688, 35.1765

Background



This preview shows how black text looks on a background with the XYZ color 18.4132, 14.9688, 35.1765.



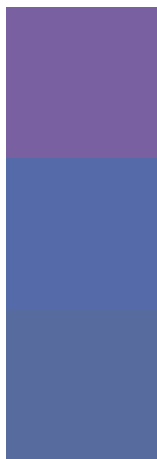
This preview shows how white text looks on a background with the XYZ color 18.4132, 14.9688,

35.1765.

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

18.4132, 14.9688, 35.1765

Protanopia

16.0618, 15.1039, 39.6049

Deuteranopia

15.4538, 15.0587, 34.4399



Tritanopia

15.0013, 15.0337, 18.0307

Trichromacy



Original Color

18.4132, 14.9688, 35.1765

Protanomaly

16.6713, 14.8526, 38.0646

Deuteranomaly

16.3638, 14.9130, 34.8169

Tritanomaly

16.0506, 14.8544, 23.4940

Monochromacy



Original Color

18.4132, 14.9688, 35.1765

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.1867, 15.5379, 22.9149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4132, 14.9688, 35.1765 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, 160)` looks like.

```
.text, #text, p{  
    color:rgb(121, 96, 160)  
}
```

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, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 96, 160) }
```

Border

The CSS property to change the border of an element to XYZ 18.4132, 14.9688, 35.1765 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, 160) }
```


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

```
.border{ border-color:rgb(121, 96, 160) }
```

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, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 96, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 96, 160);  
box-shadow:4px 4px 4px 4px rgb(121, 96,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4132, 14.9688, 35.1765 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, 160) }
```

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

```
.background{ background-color: rgb(121, 96,  
160) }
```

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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