

Converting Colors

XYZ(19.1883, 15.8983, 35.3591)

Have a look what the booklet for
XYZ(19.1883, 15.8983, 35.3591)
contains.

XYZ(19.2145, 15.9375, 35.3212)	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(19.2145, 15.9375,
35.3212)**

Conversions

Conversions Part 1

Format	Color
Hex	7C64A0
RGB	124, 100, 160
RGB Percent	49%, 39%, 63%
CMY	0.5137, 0.6078, 0.3725
CMYK	0.22, 0.37, 0.00, 0.37
HSL	264°, 24%, 51%
HSV	264°, 37%, 63%
XYZ	19.2145, 15.9375, 35.3212
YIQ	114.0160, -4.9560, 23.7480

Conversions

Conversions Part 2

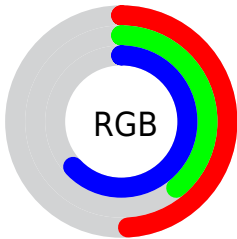
Format	Color
RYB	124, 100, 160
Decimal	8152224
CIELab	46.89, 22.36, -28.99
CIELCh	47, 36.610, 307.649
Yxy	15.9375, 0.2726, 0.2261
Android (android.graphics.Color)	4286342304 (0xFF7C64A0)
YUV	114.0160, 22.6701, 8.7560
Hunter-Lab	39.9218, 16.0495, -24.5121

Details

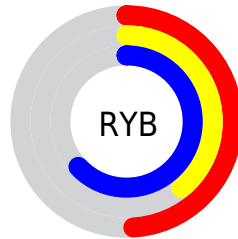
The XYZ color **19.2145, 15.9375, 35.3212** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.0248, 31.2963, 16.7791**, and the grayscale version is **15.9347, 16.7646, 18.2566**.

A 20% lighter version of the original color is **41.6924, 36.5045, 69.1386**, and **6.8039, 5.0848, 14.8102** is the 20% darker color. If you saturate the color by 10%, you get **16.5075, 12.4835, 34.7975**, and if you desaturate by 10%, it is **22.3591, 20.0651, 35.9524**.

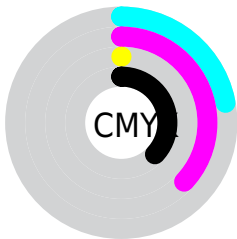
Distribution



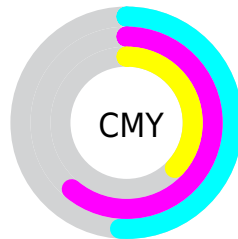
- Red (49%)
- Green (39%)
- Blue (63%)



- Red (49%)
- Yellow (39%)
- Blue (63%)



- Cyan (22%)
- Magenta (37%)
- Yellow (0%)
- Black (37%)



- Cyan (51%)
- Magenta (61%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2145, 15.9375, 35.3212 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 19.2145, 15.9375, 35.3212 by changing the saturation by 10% instead.

■ 19.2145, 15.9375,
35.3212

■ 19.2145, 15.9375,
35.3212

240.5458,
228.9726, 340.9311

■ 11.9303, 9.4799,
23.6249

■ 41.6103, 36.4897,
69.1403

■ 6.7681, 5.0555,
14.8460

■ 57.4526, 51.3531,
92.1001

■ 3.3625, 2.2799,
8.5659

■ 76.8784, 69.7872,
119.6515

■ 1.3482, 0.7630,
4.3662

■ 100.2529, 92.1764,
152.2130

■ 0.2189, 0.0000,
1.8283

127.9415,
118.9052, 190.2032

■ 0.0000, 0.0000,
0.4465

160.3097,

■ 0.0000, 0.0000,

150.3579, 234.0405

0.0000

197.7226,
186.9189, 284.1437

■ 19.2145, 15.9375,
35.3212

■ 19.2145, 15.9375,
35.3212

■ 16.5075, 12.4835,
34.7975

■ 22.3591, 20.0651,
35.9524

■ 14.2149, 9.6639,
34.3740

■ 25.9595, 24.8990,
36.6957

■ 12.3136, 7.4380,
34.0446

■ 30.0350, 30.4718,
37.5566

■ 10.7773, 5.7596,
33.8016

■ 34.6032, 36.8135,
38.5399

■ 9.5760, 4.5750,
33.6363

■ 39.6807, 43.9526,
39.6502

8.6626, 3.7972,
33.5343

45.2833, 51.9159,
40.8920

8.4596, 3.6281,
33.5124

51.4261, 60.7291,
42.2694

58.1236, 70.4166,
43.7863

65.3898, 81.0020,
45.4465

Harmonies

Analogous

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



15.9797, 15.9375, 41.2522



19.2145, 15.9375, 35.3212



21.5626, 15.9375, 24.9322

Triad

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



19.2145, 15.9375, 35.3212



17.6039, 15.9375, 5.6451



9.8434, 15.9375, 19.7993

Complementary

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



19.2145, 15.9375, 35.3212



25.0248, 31.2963, 16.7791

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.



10.1515, 15.9375, 11.4906



19.2145, 15.9375, 35.3212



14.3459, 15.9375, 5.1121

Square

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



19.2145, 15.9375, 35.3212



20.5454, 15.9375, 8.6791



11.7002, 15.9375, 6.8254



10.7900, 15.9375, 30.4553

Rectangle

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



19.2145, 15.9375, 35.3212



22.1447, 15.9375, 18.0844



11.7002, 15.9375, 6.8254



9.8063, 15.9375, 16.6420

Sweetspot

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



19.2151, 15.9381, 35.3216



51.6839, 51.4100, 67.5856



20.5469, 23.1392, 36.6413



11.1298, 10.9941, 14.7791



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.



19.2151, 15.9381, 35.3216



30.7219, 23.6086, 63.3242



24.0396, 18.4253, 35.5473



6.5233, 6.5582, 8.3287



6.6370, 2.8505, 26.1076



0.1650, 0.0748, 0.4690

Inverse Universe

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



23.4988, 18.3661, 25.5995



39.8489, 28.7904, 42.2162



20.9350, 29.1879, 16.5877



6.7917, 6.7096, 7.7542



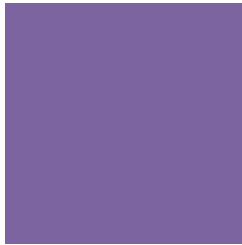
12.9599, 6.4885, 9.3060



0.2522, 0.1242, 0.2743

Previews

White Background



This preview shows how the XYZ color 19.2145, 15.9375, 35.3212 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 19.2145, 15.9375, 35.3212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

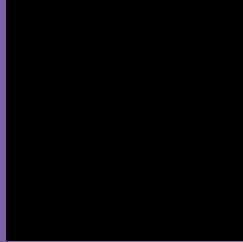
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.2145, 15.9375, 35.3212

Background



This preview shows how black text looks on a background with the XYZ color 19.2145, 15.9375, 35.3212.

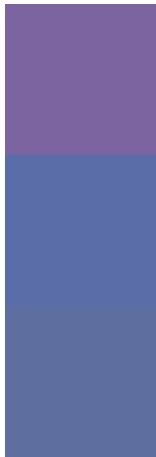


This preview shows how white text looks on a background with the XYZ color 19.2145, 15.9375,

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

19.2145, 15.9375, 35.3212

Protanopia

16.8509, 15.9886, 39.2438

Deuteranopia

16.3636, 16.0002, 34.5736



Tritanopia

15.8820, 15.9346, 19.0682

Trichromacy



Original Color

19.2145, 15.9375, 35.3212

Protanomaly

17.5391, 15.9082, 37.7435

Deuteranomaly

17.2377, 15.8145, 34.9449

Tritanomaly

16.9954, 15.9235, 24.3681

Monochromacy



Original Color

19.2145, 15.9375, 35.3212

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.0366, 16.4275, 23.7456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2145, 15.9375, 35.3212 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(124, 100, 160)` looks like.

```
.text, #text, p{  
    color:rgb(124, 100, 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(124, 100, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 100, 160) }
```

Border

The CSS property to change the border of an element to XYZ 19.2145, 15.9375, 35.3212 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(124, 100, 160) }
```


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

```
.border{ border-color:rgb(124, 100, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 100, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 100, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 100, 160);  
box-shadow:4px 4px 4px 4px rgb(124, 100,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2145, 15.9375, 35.3212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 100, 160) }
```

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

```
.background{ background-color: rgb(124,  
100, 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](#).

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