

Converting Colors

XYZ(18.9186, 20.6698, 35.9643)

Have a look what the booklet for
XYZ(18.9186, 20.6698, 35.9643)
contains.

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Color

**XYZ(18.9321, 20.6905,
35.7967)**

Conversions

Conversions Part 1

Format	Color
Hex	60819F
RGB	96, 129, 159
RGB Percent	38%, 51%, 62%
CMY	0.6235, 0.4941, 0.3765
CMYK	0.40, 0.19, 0.00, 0.38
HSL	209°, 25%, 50%
HSV	209°, 40%, 62%
XYZ	18.9321, 20.6905, 35.7967
YIQ	122.5530, -29.2980, 2.3340

Conversions

Conversions Part 2

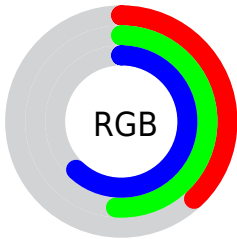
Format	Color
R _Y B	96, 118, 159
Decimal	6324639
CIE Lab	52.61, -3.72, -19.74
CIE LCh	53, 20.092, 259.319
Yxy	20.6905, 0.2510, 0.2743
Android (android.graphics.Color)	4284514719 (0xFF60819F)
YUV	122.5530, 17.9684, -23.2870
Hunter-Lab	45.4868, -5.3083, -14.8186

Details

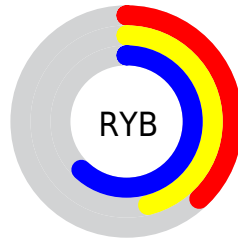
The XYZ color **18.9321, 20.6905, 35.7967** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **23.8706, 23.1375, 14.2748**, and the grayscale version is **18.6300, 19.6002, 21.3446**.

A 20% lighter version of the original color is **41.2600, 44.7005, 70.0718**, and **6.6047, 7.3567, 14.9818** is the 20% darker color. If you saturate the color by 10%, you get **16.4649, 17.9929, 35.4064**, and if you desaturate by 10%, it is **21.8129, 23.7119, 36.2284**.

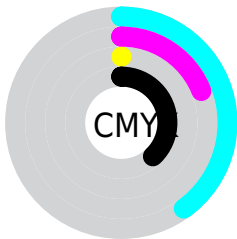
Distribution



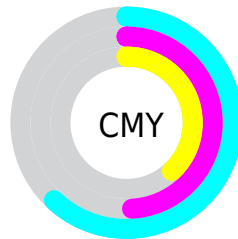
- Red (38%)
- Green (51%)
- Blue (62%)



- Red (38%)
- Yellow (46%)
- Blue (62%)



- Cyan (40%)
- Magenta (19%)
- Yellow (0%)
- Black (38%)



- Cyan (62%)
- Magenta (49%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9321, 20.6905, 35.7967 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 18.9321, 20.6905, 35.7967 by changing the saturation by 10% instead.

■ 18.9321, 20.6905,
35.7967

■ 18.9321, 20.6905,
35.7967

239.0190,
255.6291, 343.0816

■ 11.7249, 12.8980,
23.9888

■ 41.1371, 44.5719,
69.8837

■ 6.6275, 7.3583,
15.1132

■ 56.8656, 61.4295,
92.9998

■ 3.2745, 3.6872,
8.7513

■ 76.1654, 82.0776,
120.7224

■ 1.3005, 1.5002,
4.4848

■ 99.4016, 106.9006,
153.4700

■ 0.1836, 0.2888,
1.8949

126.9397,
136.2828, 191.6612

■ 0.0000, 0.0000,
0.4895

159.1451,

■ 0.0000, 0.0000,

170.6087, 235.7145

0.0000

196.3831,
210.2627, 286.0485

■ 18.9321, 20.6905,
35.7967

■ 18.9321, 20.6905,
35.7967

■ 16.4649, 17.9929,
35.4064

■ 21.8129, 23.7119,
36.2284

■ 14.3871, 15.6030,
35.0546

■ 25.1257, 27.0676,
36.7015

■ 12.6751, 13.5066,
34.7402

■ 28.8900, 30.7702,
37.2178

■ 11.3014, 11.6870,
34.4614

■ 33.1236, 34.8312,
37.7785

■ 10.2340, 10.1250,
34.2162

■ 37.8432, 39.2612,
38.3848

■ 9.4030, 8.7820,
34.0007

■ 43.0647, 44.0704,
39.0379

■ 9.3734, 8.7339,
33.9930

■ 48.8031, 49.2687,
39.7388

■ 55.0731, 54.8654,
40.4887

■ 61.8884, 60.8697,
41.2884

Harmonies

Analogous

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



17.1669, 20.6905, 32.4034



18.9321, 20.6905, 35.7967



21.0218, 20.6905, 35.1908

Triad

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



18.9321, 20.6905, 35.7967



23.6960, 20.6905, 18.9401



16.7799, 20.6905, 15.8434

Complementary

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



18.9321, 20.6905, 35.7967



23.8706, 23.1375, 14.2748

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.



18.3692, 20.6905, 13.3389



18.9321, 20.6905, 35.7967



22.3959, 20.6905, 14.8961

Square

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



18.9321, 20.6905, 35.7967



23.8734, 20.6905, 24.7238



20.4180, 20.6905, 13.0259



15.9839, 20.6905, 20.4671

Rectangle

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



18.9321, 20.6905, 35.7967



22.3164, 20.6905, 32.6275



20.4180, 20.6905, 13.0259



17.2336, 20.6905, 14.7634

Sweetspot

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



18.9328, 20.6913, 35.7972



49.9018, 53.3165, 66.4045



20.9498, 28.7744, 23.9867



11.0632, 11.8370, 14.9453



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.



18.9328, 20.6913, 35.7972



29.7765, 32.5474, 63.4563



15.4595, 13.7447, 34.6394



6.5578, 6.9813, 8.4086



7.4454, 6.9824, 26.8626



0.1754, 0.2093, 0.4944

Inverse Universe

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



22.4439, 17.3222, 22.9303



37.1942, 26.3159, 36.0749



28.4499, 32.2960, 15.8012



6.7709, 6.7013, 7.6446



12.5563, 6.3271, 7.1806



0.2458, 0.1217, 0.2407

Previews

White Background



This preview shows how the XYZ color 18.9321, 20.6905, 35.7967 looks on a white background.

Color Contrast Check

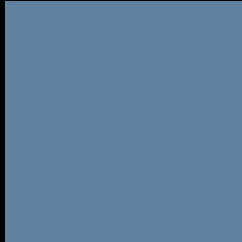
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 18.9321, 20.6905, 35.7967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

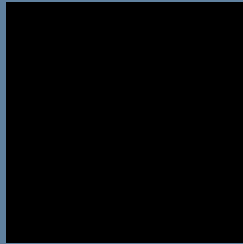
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

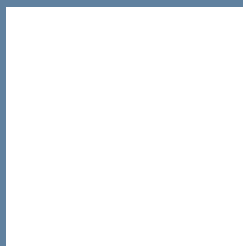
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.9321, 20.6905, 35.7967

Background



This preview shows how black text looks on a background with the XYZ color 18.9321, 20.6905, 35.7967.



This preview shows how white text looks on a background with the XYZ color 18.9321, 20.6905,

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

18.9321, 20.6905, 35.7967

Protanopia

20.5953, 20.6334, 33.9075

Deuteranopia

21.0359, 20.6259, 36.1302



Tritanopia

17.5474, 20.7308, 28.6678

Trichromacy



Original Color

18.9321, 20.6905, 35.7967

Protanomaly

19.8920, 20.6370, 34.3874

Deuteranomaly

20.2343, 20.5848, 36.1645

Tritanomaly

17.9758, 20.6979, 31.0646

Monochromacy



Original Color

18.9321, 20.6905, 35.7967

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.5876, 19.9555, 26.1647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9321, 20.6905, 35.7967 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(96, 129, 159) looks like.

```
.text, #text, p{  
    color:rgb(96, 129, 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(96, 129, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 129, 159) }
```

Border

The CSS property to change the border of an element to XYZ 18.9321, 20.6905, 35.7967 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(96, 129, 159) }
```


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

```
.border{ border-color:rgb(96, 129, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 129, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 129, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 129, 159);  
box-shadow:4px 4px 4px 4px rgb(96, 129,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9321, 20.6905, 35.7967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 129, 159) }
```

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

```
.background{ background-color: rgb(96, 129,  
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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