

Converting Colors

XYZ(19.1616, 13.7980, 70.0600)

Have a look what the booklet for
XYZ(19.1616, 13.7980, 70.0600)
contains.

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Color

**XYZ(19.1616, 13.7980,
70.0600)**

Conversions

Conversions Part 1	
Format	Color
Hex	455ADD
RGB	69, 90, 221
RGB Percent	27%, 35%, 87%
CMY	0.7294, 0.6471, 0.1333
CMYK	0.69, 0.59, 0.00, 0.13
HSL	232°, 69%, 57%
HSV	232°, 69%, 87%
XYZ	19.1616, 13.7980, 70.0600
YIQ	98.6550, -54.5670, 36.2890

Conversions

Conversions Part 2

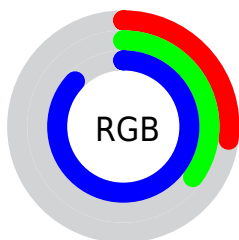
Format	Color
RYB	69, 87, 221
Decimal	4545245
CIELab	43.94, 34.81, -69.32
CIELCh	44, 77.565, 296.666
Yxy	13.7980, 0.1860, 0.1339
Android (android.graphics.Color)	4282735325 (0xFF455ADD)
YUV	98.6550, 60.3161, -26.0074
Hunter-Lab	37.1457, 27.0744, -85.8242

Details

The XYZ color **19.1616, 13.7980, 70.0600** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark muted blue. A complement of this color would be **51.5503, 57.1157, 13.9393**, and the grayscale version is **11.6374, 12.2435, 13.3331**.

A 20% lighter version of the original color is **37.2596, 31.0445, 98.6361**, and **7.7299, 4.5934, 36.0765** is the 20% darker color. If you saturate the color by 10%, you get **16.4695, 10.3230, 69.5315**, and if you desaturate by 10%, it is **22.8502, 18.3977, 70.7538**.

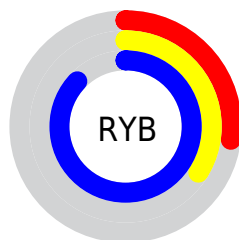
Distribution



Red (27%)

Green (35%)

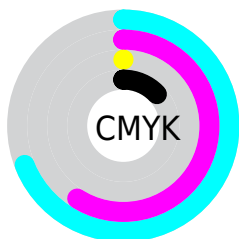
Blue (87%)



Red (27%)

Yellow (34%)

Blue (87%)

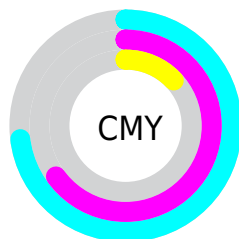


Cyan (69%)

Magenta (59%)

Yellow (0%)

Black (13%)



Cyan (73%)

Magenta (65%)


Yellow (13%)


Brightness & Saturation

Gradients

These gradients show how the XYZ color 19.1616, 13.7980, 70.0600 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 19.1616, 13.7980, 70.0600 by changing the saturation by 10% instead.

 19.1616, 13.7980,
70.0600


 19.1616, 13.7980,
70.0600


240.2605,
215.9705, 479.5555


 11.8918, 7.9803,
51.0983


 41.5218, 32.7302,
120.9762


 6.7417, 4.0823,
35.9096


 57.3428, 46.6135,
153.7679

 3.3460, 1.7197,
24.0753


 76.7450, 63.9540,
192.0066

 1.3393, 0.4364,
15.1767

 100.0937, 85.1363,
236.1110

 0.2123, 0.0000,
8.7955

 127.7542,
110.5447, 286.4995

 0.0000, 0.0000,
4.5131


160.0920,

 0.0000, 0.0000,


140.5636, 343.5907


1.9108


197.4723,
175.5774, 407.8032


 0.0000, 0.0000,
0.4996


 0.0000, 0.0000,
0.0000


 19.1616, 13.7980,
70.0600


 19.1616, 13.7980,
70.0600


 16.4695, 10.3230,
69.5315

 22.8502, 18.3977,
70.7538


 14.6711, 7.8721,
69.1532


 27.6200, 24.2085,
71.6240


 13.6250, 6.3177,
68.9083


 33.5490, 31.3094,
72.6821


 13.5288, 6.1756,
68.8860


 40.7072, 39.7723,
73.9383

 49.1591, 49.6636,
75.4021

 58.9645, 61.0457,
77.0822

 70.1797, 73.9768,
78.9871

 82.8575, 88.5125,
81.1246

 90.0512, 98.0005,
82.5768

Harmonies

Analogous

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



12.4396, 13.7980, 80.4145



19.1616, 13.7980, 70.0600



25.6648, 13.7980, 42.3328

Triad

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



19.1616, 13.7980, 70.0600



20.7348, 13.7980, 0.7661



4.5041, 13.7980, 13.1409

Complementary

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



19.1616, 13.7980, 70.0600



51.5503, 57.1157, 13.9393

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.



5.5146, 13.7980, 3.0476



19.1616, 13.7980, 70.0600



13.8136, 13.7980, 0.0000

Square

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



19.1616, 13.7980, 70.0600



26.7546, 13.7980, 4.3819



8.4959, 13.7980, 0.4507



5.1380, 13.7980, 35.8921

Rectangle

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



19.1616, 13.7980, 70.0600



28.2917, 13.7980, 24.2535



8.4959, 13.7980, 0.4507



4.6520, 13.7980, 8.4946

Sweetspot

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



19.1623, 13.7983, 70.0604



65.0210, 65.2249, 103.7704



38.5279, 57.0653, 62.5324



13.2077, 13.1314, 22.0884



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



19.1623, 13.7983, 70.0604



21.4159, 12.4511, 95.8823



23.2353, 13.6307, 69.8134



12.4830, 12.9057, 16.4853



7.9071, 3.6837, 40.0327



0.5600, 0.3341, 2.6094

Inverse Universe

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



33.7932, 20.3679, 11.8231



43.3053, 23.4888, 8.4816



43.0378, 60.4463, 15.0309



13.1289, 13.0807, 13.9401



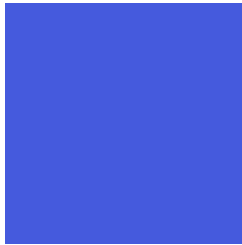
17.4865, 8.9956, 1.6759



1.1569, 0.5924, 0.2354

Previews

White Background



This preview shows how the XYZ color 19.1616, 13.7980, 70.0600 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 19.1616, 13.7980, 70.0600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

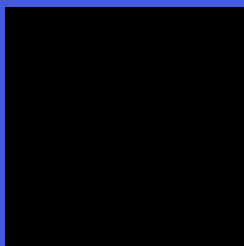
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.1616, 13.7980, 70.0600

Background



This preview shows how black text looks on a background with the XYZ color 19.1616, 13.7980, 70.0600.



This preview shows how white text looks on a background with the XYZ color 19.1616, 13.7980,

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

19.1616, 13.7980, 70.0600

Protanopia

16.2197, 13.6268, 63.4034

Deuteranopia

13.5975, 13.6855, 46.1809



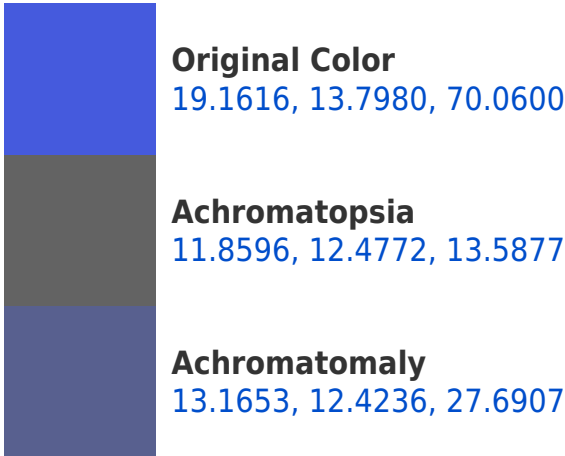
Tritanopia

9.7059, 13.6915, 20.8701

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1616, 13.7980, 70.0600 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(69, 90, 221) looks like.

```
.text, #text, p{  
    color:rgb(69, 90, 221)  
}
```

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(69, 90, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 90, 221) }
```

Border

The CSS property to change the border of an element to XYZ 19.1616, 13.7980, 70.0600 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(69, 90, 221) }
```


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

```
.border{ border-color:rgb(69, 90, 221) }
```

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

Here you see how a box with a 4 pixel rgb(69, 90, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 90, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 90, 221);  
box-shadow:4px 4px 4px 4px rgb(69, 90,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1616, 13.7980, 70.0600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 90, 221) }
```

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

```
.background{ background-color: rgb(69, 90,  
221) }
```

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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