

Converting Colors

XYZ(6.9567, 8.1661, 18.4971)

Have a look what the booklet for
XYZ(6.9567, 8.1661, 18.4971)
contains.

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Color

**XYZ(6.9071, 8.1230,
18.3434)**

Conversions

Conversions Part 1

Format	Color
Hex	155676
RGB	21, 86, 118
RGB Percent	8%, 34%, 46%
CMY	0.9176, 0.6627, 0.5373
CMYK	0.82, 0.27, 0.00, 0.54
HSL	200°, 70%, 27%
HSV	200°, 82%, 46%
XYZ	6.9071, 8.1230, 18.3434
YIQ	70.2130, -49.0120, -3.8280

Conversions

Conversions Part 2

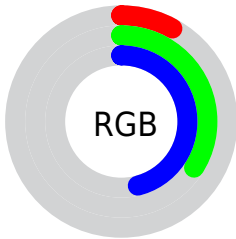
Format	Color
R_{YB}	21, 60, 118
Decimal	1398390
CIE _{Lab}	34.24, -7.89, -23.84
CIE _{LCh}	34, 25.114, 251.690
Yxy	8.1230, 0.2070, 0.2434
Android (android.graphics.Color)	4279588470 (0xFF155676)
YUV	70.2130, 23.5590, -43.1598
Hunter-Lab	28.5009, -6.6176, -18.2089

Details

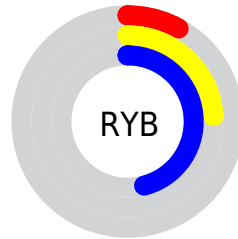
The XYZ color **6.9071, 8.1230, 18.3434** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **8.8803, 6.4529, 1.4875**, and the grayscale version is **5.8254, 6.1288, 6.6742**.

A 20% lighter version of the original color is **19.5395, 22.3044, 41.3056**, and **1.8671, 2.0155, 5.9209** is the 20% darker color. If you saturate the color by 10%, you get **6.4108, 7.4183, 18.2337**, and if you desaturate by 10%, it is **7.5384, 8.9227, 18.4646**.

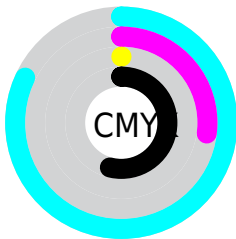
Distribution



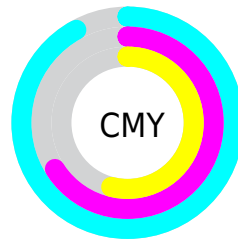
- Red (8%)
- Green (34%)
- Blue (46%)



- Red (8%)
- Yellow (24%)
- Blue (46%)



- Cyan (82%)
- Magenta (27%)
- Yellow (0%)
- Black (54%)



- Cyan (92%)
- Magenta (66%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 6.9071, 8.1230, 18.3434 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 6.9071, 8.1230, 18.3434 by changing the saturation by 10% instead.

6.9071, 8.1230,
18.3434

6.9071, 8.1230,
18.3434

161.4511,
176.6936, 255.1004

3.4499, 4.1738,
11.0248

19.4927, 22.1992,
41.4434

1.3959, 1.7712,
5.9692

29.3517, 33.0950,
58.0619

0.2533, 0.4691,
2.7578

42.0754, 47.0750,
78.6175

0.0000, 0.0000,
0.9724

58.0291, 64.5238,
103.5287

0.0000, 0.0000,
0.0000

77.5782, 85.8256,
133.2141

101.0879,

111.3649, 168.0921

128.9238,
141.5261, 208.5813

■ 6.9071, 8.1230,
18.3434

■ 6.9071, 8.1230,
18.3434

■ 6.4108, 7.4183,
18.2337

■ 7.5384, 8.9227,
18.4646

■ 6.0710, 6.9099,
18.1535

■ 8.3190, 9.8247,
18.5976

■ 9.2618, 10.8363,
18.7432

■ 10.3782, 11.9637,
18.9019

■ 11.6785, 13.2125,
19.0745

■ 13.1719, 14.5878,
19.2612

■ 14.8673, 16.0947,
19.4627

■ 16.7728, 17.7375,
19.6794

■ 18.8961, 19.5206,
19.9116

Harmonies

Analogous

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



5.8834, 8.1230, 15.0116



6.9071, 8.1230, 18.3434



8.2778, 8.1230, 18.7199

Triad

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



6.9071, 8.1230, 18.3434



10.6613, 8.1230, 7.3756



6.0683, 8.1230, 4.2536

Complementary

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



6.9071, 8.1230, 18.3434



8.8803, 6.4529, 1.4875

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.



7.1891, 8.1230, 3.2474



6.9071, 8.1230, 18.3434



9.9054, 8.1230, 4.6511

Square

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



6.9071, 8.1230, 18.3434



10.5621, 8.1230, 11.4884



8.5957, 8.1230, 3.3667



5.4409, 8.1230, 6.6411

Rectangle

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



6.9071, 8.1230, 18.3434



9.2196, 8.1230, 17.1388



8.5957, 8.1230, 3.3667



6.3937, 8.1230, 3.7805

Sweetspot

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



6.9074, 8.1233, 18.3436



22.2209, 24.7953, 33.7518



7.4016, 13.3620, 5.4054



4.9429, 5.5481, 7.7393



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



6.9074, 8.1233, 18.3436



10.6217, 12.0154, 31.8964



4.2982, 2.9050, 17.4739



3.6864, 3.9614, 4.6606



6.5563, 7.4522, 19.6354



31.1411, 34.6988, 95.4165

Inverse Universe

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



9.4194, 5.0602, 9.2845



15.6030, 7.7853, 13.5191



12.1850, 13.0622, 2.5890



3.7777, 3.7384, 4.3562



9.6064, 4.7763, 8.4016



46.4053, 23.1123, 38.7934

Previews

White Background



This preview shows how the XYZ color 6.9071, 8.1230, 18.3434 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 ✓ Pass

Black Background



This preview shows how the XYZ color 6.9071, 8.1230, 18.3434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

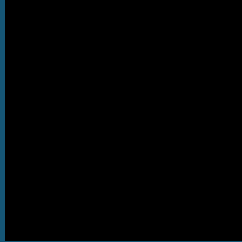
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 6.9071, 8.1230, 18.3434

Background



This preview shows how black text looks on a background with the XYZ color 6.9071, 8.1230, 18.3434.

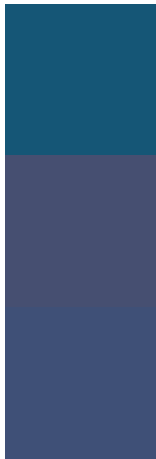


This preview shows how white text looks on a background with the XYZ color 6.9071, 8.1230,

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

6.9071, 8.1230, 18.3434

Protanopia

8.3024, 8.0863, 16.7460

Deuteranopia

8.2483, 8.1260, 18.5865



Tritanopia

5.6837, 7.9893, 12.3089

Trichromacy



Original Color

6.9071, 8.1230, 18.3434

Protanomaly

7.5280, 8.0025, 17.3675

Deuteranomaly

7.5660, 7.9949, 18.5972

Tritanomaly

6.0886, 8.0305, 14.3259

Monochromacy



Original Color

6.9071, 8.1230, 18.3434

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

5.7209, 6.5871, 9.9867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.9071, 8.1230, 18.3434 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(21, 86, 118)` looks like.

```
.text, #text, p{  
    color:rgb(21, 86, 118)  
}
```

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(21, 86, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 86, 118) }
```

Border

The CSS property to change the border of an element to XYZ 6.9071, 8.1230, 18.3434 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(21, 86, 118) }
```


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

```
.border{ border-color:rgb(21, 86, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 86, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 86, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 86, 118);  
box-shadow:4px 4px 4px 4px rgb(21, 86,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 6.9071, 8.1230, 18.3434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 86, 118) }
```

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

```
.background{ background-color: rgb(21, 86,  
118) }
```

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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