

Converting Colors

XYZ(13.4736, 13.5059, 31.0061)

Have a look what the booklet for
XYZ(13.4736, 13.5059, 31.0061)
contains.

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Color

**XYZ(13.4967, 13.5126,
31.1750)**

Conversions

Conversions Part 1

Format	Color
Hex	4D6797
RGB	77, 103, 151
RGB Percent	30%, 40%, 59%
CMY	0.6980, 0.5961, 0.4078
CMYK	0.49, 0.32, 0.00, 0.41
HSL	219°, 32%, 45%
HSV	219°, 49%, 59%
XYZ	13.4967, 13.5126, 31.1750
YIQ	100.6980, -30.9040, 9.4160

Conversions

Conversions Part 2

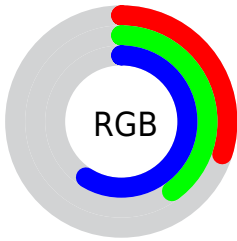
Format	Color
R_{YB}	77, 96, 151
Decimal	5072791
CIE _{Lab}	43.53, 4.28, -29.19
CIE _{LCh}	44, 29.501, 278.340
Yxy	13.5126, 0.2320, 0.2322
Android (android.graphics.Color)	4283262871 (0xFF4D6797)
YUV	100.6980, 24.7989, -20.7831
Hunter-Lab	36.7595, 1.2094, -24.5510

Details

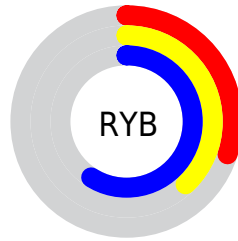
The XYZ color **13.4967, 13.5126, 31.1750** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **21.4362, 21.7831, 10.0965**, and the grayscale version is **12.2362, 12.8734, 14.0191**.

A 20% lighter version of the original color is **31.7810, 32.2648, 62.3103**, and **4.0453, 3.9190, 12.5998** is the 20% darker color. If you saturate the color by 10%, you get **11.4990, 11.1204, 30.8188**, and if you desaturate by 10%, it is **15.8923, 16.2799, 31.5831**.

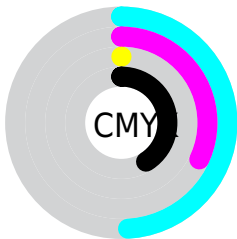
Distribution



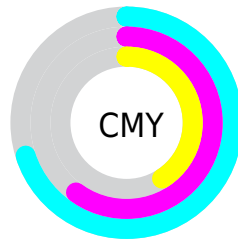
- Red (30%)
- Green (40%)
- Blue (59%)



- Red (30%)
- Yellow (38%)
- Blue (59%)



- Cyan (49%)
- Magenta (32%)
- Yellow (0%)
- Black (41%)



- Cyan (70%)
- Magenta (60%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4967, 13.5126, 31.1750 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 13.4967, 13.5126, 31.1750 by changing the saturation by 10% instead.

■ 13.4967, 13.5126,
31.1750

■ 13.4967, 13.5126,
31.1750

207.6508,
214.1772, 321.7199

■ 7.8508, 7.7825,
20.4726

■ 31.7871, 32.2217,
62.5983

■ 4.0506, 3.9561,
12.5515

■ 45.1623, 45.9694,
84.1562

■ 1.7308, 1.6490,
6.9934

■ 61.8446, 63.1584,
110.1697

■ 0.4754, 0.3903,
3.3796

■ 82.1994, 84.1732,
141.0574

■ 0.0000, 0.0000,
1.2916

■ 106.5921,
109.3981, 177.2376

■ 0.0000, 0.0000,
0.0549

135.3880,

■ 0.0000, 0.0000,

139.2174, 219.1291

0.0000

168.9524,
174.0157, 267.1504

■ 13.4967, 13.5126,
31.1750

■ 13.4967, 13.5126,
31.1750

■ 11.4990, 11.1204,
30.8188

■ 15.8923, 16.2799,
31.5831

■ 9.8741, 9.0838,
30.5113

■ 18.7062, 19.4375,
32.0443

■ 8.5957, 7.3833,
30.2505

■ 21.9587, 23.0015,
32.5608

■ 7.6335, 5.9967,
30.0336

■ 25.6687, 26.9867,
33.1345

■ 6.9252, 4.8850,
29.8563

■ 29.8536, 31.4070,
33.7671

■ 6.8615, 4.7854,
29.8405

■ 34.5300, 36.2756,
34.4604

■ 39.7139, 41.6051,
35.2159

■ 45.4201, 47.4078,
36.0351

■ 51.6632, 53.6952,
36.9197

Harmonies

Analogous

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



11.2766, 13.5126, 29.9353



13.4967, 13.5126, 31.1750



15.7921, 13.5126, 27.0765

Triad

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



13.4967, 13.5126, 31.1750



16.6408, 13.5126, 8.1624



9.1503, 13.5126, 10.5093

Complementary

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



13.4967, 13.5126, 31.1750



21.4362, 21.7831, 10.0965

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.



10.2865, 13.5126, 6.8366



13.4967, 13.5126, 31.1750



14.5488, 13.5126, 5.7909

Square

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



13.4967, 13.5126, 31.1750



17.7442, 13.5126, 12.9482



12.2114, 13.5126, 5.3914



8.9398, 13.5126, 16.6311

Rectangle

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



13.4967, 13.5126, 31.1750



16.9952, 13.5126, 22.4275



12.2114, 13.5126, 5.3914



9.4295, 13.5126, 9.0078

Sweetspot

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



13.4972, 13.5131, 31.1753



41.6891, 43.7471, 58.6805



17.7573, 25.1632, 22.9462



9.1908, 9.6361, 13.2930



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



13.4972, 13.5131, 31.1753



20.2170, 19.4536, 55.1230



12.1584, 9.5625, 30.4834



6.0532, 6.3637, 7.8383



5.8620, 4.1206, 25.3941



0.1197, 0.1257, 0.3903

Inverse Universe

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



17.8650, 12.8669, 14.3743



29.2256, 18.9796, 20.2782



23.4137, 28.3438, 11.2586



6.2940, 6.2567, 6.9281



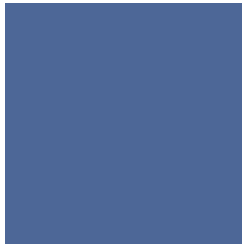
11.4176, 5.8213, 3.4582



0.1869, 0.0935, 0.1368

Previews

White Background



This preview shows how the XYZ color 13.4967, 13.5126, 31.1750 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 13.4967, 13.5126, 31.1750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

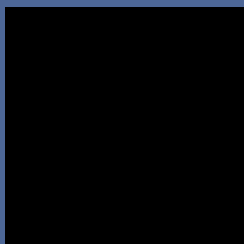
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

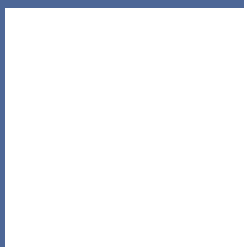
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.4967, 13.5126, 31.1750

Background



This preview shows how black text looks on a background with the XYZ color 13.4967, 13.5126, 31.1750.

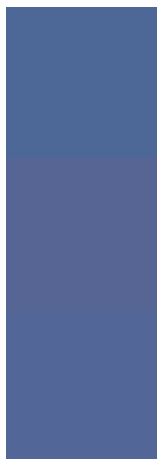


This preview shows how white text looks on a background with the XYZ color 13.4967, 13.5126,

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

13.4967, 13.5126, 31.1750

Protanopia

14.0090, 13.5035, 30.3019

Deuteranopia

13.8170, 13.5309, 31.1617



Tritanopia

11.0534, 13.4386, 19.1509

Trichromacy



Original Color

13.4967, 13.5126, 31.1750

Protanomaly

13.8237, 13.5438, 30.7398

Deuteranomaly

13.6456, 13.4426, 31.1536

Tritanomaly

11.8855, 13.4667, 23.0920

Monochromacy



Original Color

13.4967, 13.5126, 31.1750

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.4948, 13.1100, 19.3247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4967, 13.5126, 31.1750 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(77, 103, 151)` looks like.

```
.text, #text, p{  
    color:rgb(77, 103, 151)  
}
```

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(77, 103, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 103, 151) }
```

Border

The CSS property to change the border of an element to XYZ 13.4967, 13.5126, 31.1750 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(77, 103, 151) }
```


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

```
.border{ border-color:rgb(77, 103, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 103, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 103, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 103, 151);  
box-shadow:4px 4px 4px 4px rgb(77, 103,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4967, 13.5126, 31.1750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 103, 151) }
```

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

```
.background{ background-color: rgb(77, 103,  
151) }
```

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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