

Converting Colors

XYZ(16.4209, 18.9780, 37.4533)

Have a look what the booklet for
XYZ(16.4209, 18.9780, 37.4533)
contains.

XYZ(16.3802, 18.9469, 37.4441)	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(16.3802, 18.9469,
37.4441)**

Conversions

Conversions Part 1

Format	Color
Hex	417FA3
RGB	65, 127, 163
RGB Percent	25%, 50%, 64%
CMY	0.7451, 0.5020, 0.3608
CMYK	0.60, 0.22, 0.00, 0.36
HSL	202°, 43%, 45%
HSV	202°, 60%, 64%
XYZ	16.3802, 18.9469, 37.4441
YIQ	112.5660, -48.5080, -1.9480

Conversions

Conversions Part 2

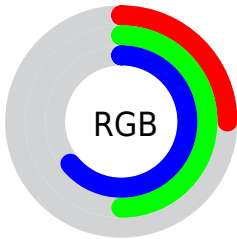
Format	Color
R _{YB}	65, 103, 163
Decimal	4292515
CIE Lab	50.63, -8.93, -25.25
CIE LCh	51, 26.783, 250.524
Yxy	18.9469, 0.2251, 0.2604
Android (android.graphics.Color)	4282482595 (0xFF417FA3)
YUV	112.5660, 24.8640, -41.7154
Hunter-Lab	43.5280, -9.0021, -20.5334

Details

The XYZ color **16.3802, 18.9469, 37.4441** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **20.7127, 17.4764, 7.2834**, and the grayscale version is **15.5075, 16.3151, 17.7671**.

A 20% lighter version of the original color is **36.8613, 41.7694, 72.4492**, and **5.5936, 6.5965, 16.0174** is the 20% darker color. If you saturate the color by 10%, you get **14.7024, 16.9682, 37.1510**, and if you desaturate by 10%, it is **18.4166, 21.1795, 37.7681**.

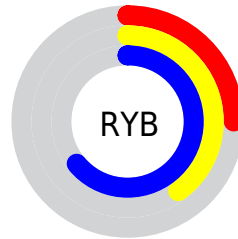
Distribution



Red (25%)

Green (50%)

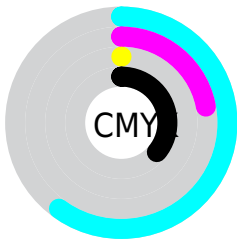
Blue (64%)



Red (25%)

Yellow (40%)

Blue (64%)

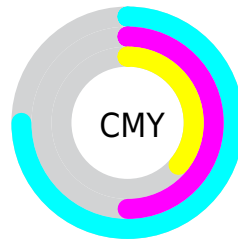


Cyan (60%)

Magenta (22%)

Yellow (0%)

Black (36%)



Cyan (75%)

Magenta (50%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3802, 18.9469, 37.4441 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 16.3802, 18.9469, 37.4441 by changing the saturation by 10% instead.

■ 16.3802, 18.9469,
37.4441

■ 16.3802, 18.9469,
37.4441

224.8014,
246.1555, 350.4557

■ 9.8861, 11.6319,
25.2530

■ 36.8091, 41.6444,
72.4492

■ 5.3852, 6.4936,
16.0450

■ 51.4747, 57.7956,
96.1004

■ 2.5121, 3.1475,
9.4013

■ 69.5949, 77.6611,
124.4087

■ 0.9013, 1.2092,
4.9035

■ 91.5349, 101.6252,
157.7926

■ 0.0000, 0.0692,
2.1330

■ 117.6603,
130.0722, 196.6707

■ 0.0000, 0.0000,
0.6353

148.3362,

■ 0.0000, 0.0000,

163.3867, 241.4616

0.0000

183.9282,
201.9530, 292.5837

■ 16.3802, 18.9469,
37.4441

■ 16.3802, 18.9469,
37.4441

■ 14.7024, 16.9682,
37.1510

■ 18.4166, 21.1795,
37.7681

■ 13.3530, 15.2254,
36.8857

■ 20.8348, 23.6779,
38.1229

■ 12.2991, 13.7009,
36.6470

■ 23.6582, 26.4557,
38.5102

■ 11.4733, 12.3692,
36.4335

■ 26.9075, 29.5246,
38.9313

■ 30.6021, 32.8958,
39.3873

■ 34.7600, 36.5796,
39.8792

■ 39.3982, 40.5857,
40.4080

■ 44.5330, 44.9234,
40.9746

■ 50.1796, 49.6018,
41.5800

Harmonies

Analogous

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



14.4435, 18.9469, 31.4984



16.3802, 18.9469, 37.4441



18.9445, 18.9469, 38.3183

Triad

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



16.3802, 18.9469, 37.4441



23.4304, 18.9469, 18.1050



14.9289, 18.9469, 11.4902

Complementary

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



16.3802, 18.9469, 37.4441



20.7127, 17.4764, 7.2834

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.



17.1038, 18.9469, 9.4463



16.3802, 18.9469, 37.4441



22.1164, 18.9469, 12.6025

Square

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



16.3802, 18.9469, 37.4441



23.1887, 18.9469, 25.8249



19.7412, 18.9469, 9.7968



13.6636, 18.9469, 16.1830

Rectangle

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



16.3802, 18.9469, 37.4441



20.6907, 18.9469, 35.7242



19.7412, 18.9469, 9.7968



15.5687, 18.9469, 10.5290

Sweetspot

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



16.3808, 18.9476, 37.4446



49.3110, 53.9139, 69.8636



17.6235, 28.2570, 16.8210



10.6834, 11.7460, 15.6416



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.3808, 18.9476, 37.4446



25.4919, 29.3400, 66.3757



11.5207, 9.2273, 35.8245



7.0563, 7.5716, 8.9926



8.9612, 9.7017, 28.3301



0.2310, 0.2893, 0.6095

Inverse Universe

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



20.8259, 13.1001, 21.5102



34.6009, 19.4892, 33.2443



26.9546, 29.9602, 9.3640



7.2534, 7.1578, 8.3208



13.6686, 6.8235, 10.7117



0.3088, 0.1520, 0.3386

Previews

White Background



This preview shows how the XYZ color 16.3802, 18.9469, 37.4441 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 16.3802, 18.9469, 37.4441 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 16.3802, 18.9469, 37.4441

Background



This preview shows how black text looks on a background with the XYZ color 16.3802, 18.9469, 37.4441.

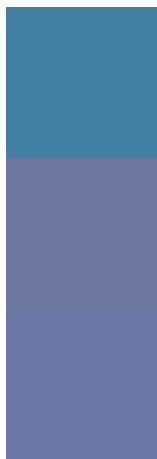


This preview shows how white text looks on a background with the XYZ color 16.3802, 18.9469,

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

16.3802, 18.9469, 37.4441

Protanopia

19.1130, 18.9430, 34.5473

Deuteranopia

19.2138, 18.7377, 38.2014



Tritanopia

14.4996, 18.9679, 28.0963

Trichromacy



Original Color

16.3802, 18.9469, 37.4441

Protanomaly

17.8336, 18.8020, 35.4901

Deuteranomaly

17.8526, 18.5792, 37.7672

Tritanomaly

15.2111, 19.0650, 31.3120

Monochromacy



Original Color

16.3802, 18.9469, 37.4441

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.3990, 17.0824, 23.9583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3802, 18.9469, 37.4441 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(65, 127, 163)` looks like.

```
.text, #text, p{  
    color:rgb(65, 127, 163)  
}
```

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(65, 127, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 127, 163) }
```

Border

The CSS property to change the border of an element to XYZ 16.3802, 18.9469, 37.4441 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(65, 127, 163) }
```


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

```
.border{ border-color:rgb(65, 127, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 127, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 127, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 127, 163);  
box-shadow:4px 4px 4px 4px rgb(65, 127,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3802, 18.9469, 37.4441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 127, 163) }
```

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

```
.background{ background-color: rgb(65, 127,  
163) }
```

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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