

Converting Colors

XYZ(18.3057, 19.3837, 36.9593)

Have a look what the booklet for
XYZ(18.3057, 19.3837, 36.9593)
contains.

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Color

**XYZ(18.3453, 19.4036,
36.9608)**

Conversions

Conversions Part 1

Format	Color
Hex	5E7CA2
RGB	94, 124, 162
RGB Percent	37%, 49%, 64%
CMY	0.6314, 0.5137, 0.3647
CMYK	0.42, 0.23, 0.00, 0.36
HSL	214°, 27%, 50%
HSV	214°, 42%, 64%
XYZ	18.3453, 19.4036, 36.9608
YIQ	119.3620, -30.0780, 5.4580

Conversions

Conversions Part 2

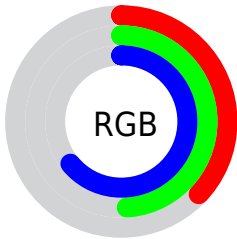
Format	Color
R_{YB}	94, 115, 162
Decimal	6192290
CIE _{Lab}	51.16, -0.51, -23.73
CIE _{LCh}	51, 23.735, 268.770
Yxy	19.4036, 0.2456, 0.2597
Android (android.graphics.Color)	4284382370 (0xFF5E7CA2)
YUV	119.3620, 21.0205, -22.2425
Hunter-Lab	44.0495, -2.7468, -18.9140

Details

The XYZ color **18.3453, 19.4036, 36.9608** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **25.1724, 24.9925, 14.0876**, and the grayscale version is **17.5920, 18.5082, 20.1554**.

A 20% lighter version of the original color is **40.0823, 42.2635, 71.6907**, and **6.2854, 6.6502, 15.7042** is the 20% darker color. If you saturate the color by 10%, you get **15.7723, 16.4699, 36.5305**, and if you desaturate by 10%, it is **21.3724, 22.7268, 37.4431**.

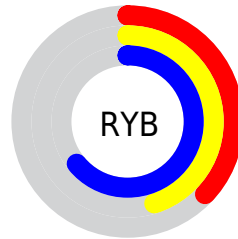
Distribution



Red (37%)

Green (49%)

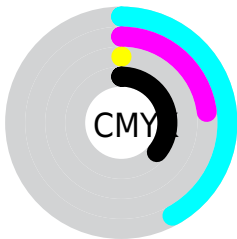
Blue (64%)



Red (37%)

Yellow (45%)

Blue (64%)

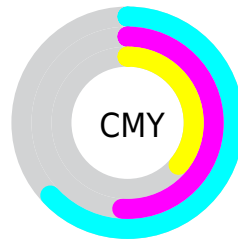


Cyan (42%)

Magenta (23%)

Yellow (0%)

Black (36%)



Cyan (63%)

Magenta (51%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3453, 19.4036, 36.9608 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 18.3453, 19.4036, 36.9608 by changing the saturation by 10% instead.

■ 18.3453, 19.4036,
36.9608

■ 18.3453, 19.4036,
36.9608

235.8183,
248.6679, 348.3044

■ 11.2994, 11.9623,
24.8816

■ 40.1503, 42.4150,
71.6981

■ 6.3373, 6.7180,
15.7706

■ 55.6401, 58.7538,
95.1934

■ 3.0939, 3.2864,
9.2094

■ 74.6752, 78.8273,
123.3310

■ 1.2036, 1.2830,
4.7793

■ 97.6211, 103.0198,
156.5296

■ 0.1092, 0.1280,
2.0619

124.8429,
131.7157, 195.2077

■ 0.0000, 0.0000,
0.5930

156.7062,

■ 0.0000, 0.0000,

165.2994, 239.7838

0.0000

193.5762,
204.1554, 290.6765

■ 18.3453, 19.4036,
36.9608

■ 18.3453, 19.4036,
36.9608

■ 15.7723, 16.4699,
36.5305

■ 21.3724, 22.7268,
37.4431

■ 13.6268, 13.9067,
36.1488

■ 24.8744, 26.4531,
37.9777

■ 11.8819, 11.6962,
35.8141

■ 28.8732, 30.5980,
38.5670

■ 10.5066, 9.8179,
35.5241

■ 33.3886, 35.1753,
39.2125

■ 9.4648, 8.2484,
35.2760

■ 38.4392, 40.1983,
39.9159

■ 8.8050, 7.1754,
35.1037

■ 44.0427, 45.6795,
40.6785

■ 50.2161, 51.6311,
41.5019

■ 56.9753, 58.0647,
42.3875

■ 64.3360, 64.9914,
43.3365

Harmonies

Analogous

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



16.1890, 19.4036, 34.2982



18.3453, 19.4036, 36.9608



20.7133, 19.4036, 34.6850

Triad

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



18.3453, 19.4036, 36.9608



22.7119, 19.4036, 15.4707



14.8289, 19.4036, 15.0814

Complementary

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



18.3453, 19.4036, 36.9608



25.1724, 24.9925, 14.0876

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.



16.3441, 19.4036, 11.6623



18.3453, 19.4036, 36.9608



20.8961, 19.4036, 11.8510

Square

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



18.3453, 19.4036, 36.9608



23.3601, 19.4036, 21.4074



18.5401, 19.4036, 10.6179



14.2686, 19.4036, 20.8495

Rectangle

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



18.3453, 19.4036, 36.9608



22.0691, 19.4036, 30.8995



18.5401, 19.4036, 10.6179



15.2368, 19.4036, 13.6688

Sweetspot

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



18.3459, 19.4043, 36.9613



51.4411, 54.5467, 69.8734



21.6609, 29.8704, 26.2396



11.1953, 11.8821, 15.6409



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.



18.3459, 19.4043, 36.9613



29.0743, 30.4126, 66.3940



15.4974, 13.1781, 35.9096



6.9456, 7.3502, 8.9557



6.9784, 5.7361, 27.6692



0.1934, 0.2141, 0.5970

Inverse Universe

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



22.5416, 17.1426, 21.1903



37.8962, 26.5010, 33.0444



29.1600, 33.9793, 15.6121



7.1975, 7.1355, 8.0265



12.6678, 6.4232, 5.4414



0.2898, 0.1444, 0.2387

Previews

White Background



This preview shows how the XYZ color 18.3453, 19.4036, 36.9608 looks on a white background.

Color Contrast Check

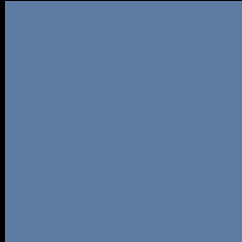
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3453, 19.4036, 36.9608 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

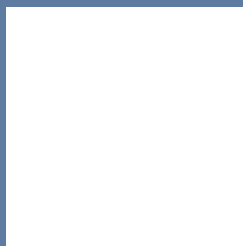
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3453, 19.4036, 36.9608

Background



This preview shows how black text looks on a background with the XYZ color 18.3453, 19.4036, 36.9608.

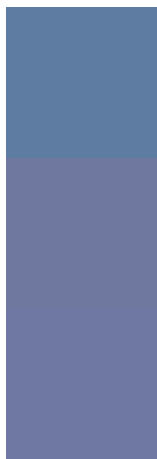


This preview shows how white text looks on a background with the XYZ color 18.3453, 19.4036,

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

18.3453, 19.4036, 36.9608

Protanopia

19.5300, 19.3157, 35.4998

Deuteranopia

19.7577, 19.3923, 37.3521



Tritanopia

16.4039, 19.3771, 27.3017

Trichromacy



Original Color

18.3453, 19.4036, 36.9608

Protanomaly

19.0082, 19.2161, 35.9649

Deuteranomaly

19.1572, 19.2621, 37.3586

Tritanomaly

17.0723, 19.4590, 30.4599

Monochromacy



Original Color

18.3453, 19.4036, 36.9608

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.6410, 18.7390, 25.6089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3453, 19.4036, 36.9608 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(94, 124, 162) looks like.

```
.text, #text, p{  
    color:rgb(94, 124, 162)  
}
```

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(94, 124, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 124, 162) }
```

Border

The CSS property to change the border of an element to XYZ 18.3453, 19.4036, 36.9608 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(94, 124, 162) }
```


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

```
.border{ border-color:rgb(94, 124, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 124, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 124, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 124, 162);  
box-shadow:4px 4px 4px 4px rgb(94, 124,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3453, 19.4036, 36.9608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 124, 162) }
```

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

```
.background{ background-color: rgb(94, 124,  
162) }
```

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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