

Converting Colors

XYZ(19.1581, 19.4250, 54.9642)

Have a look what the booklet for
XYZ(19.1581, 19.4250, 54.9642)
contains.

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Color

**XYZ(19.1581, 19.4250,
54.9642)**

Conversions

Conversions Part 1

Format	Color
Hex	3E7CC4
RGB	62, 124, 196
RGB Percent	24%, 49%, 77%
CMY	0.7568, 0.5137, 0.2314
CMYK	0.68, 0.37, 0.00, 0.23
HSL	212°, 53%, 51%
HSV	212°, 68%, 77%
XYZ	19.1581, 19.4250, 54.9642
YIQ	113.6700, -60.0640, 9.2480

Conversions

Conversions Part 2

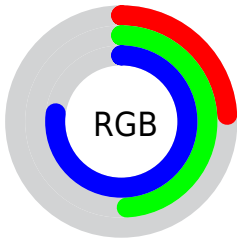
Format	Color
R_{YB}	62, 104, 196
Decimal	4095172
CIE _{Lab}	51.18, 3.59, -43.42
CIE _{LCh}	51, 43.566, 274.727
Yxy	19.4250, 0.2048, 0.2076
Android (android.graphics.Color)	4282285252 (0xFF3E7CC4)
YUV	113.6700, 40.5887, -45.3146
Hunter-Lab	44.0738, 0.4616, -43.0886

Details

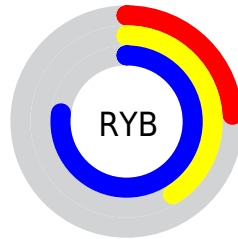
The XYZ color **19.1581, 19.4250, 54.9642** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **32.1610, 29.1361, 8.4874**, and the grayscale version is **15.7919, 16.6143, 18.0930**.

A 20% lighter version of the original color is **41.4233, 42.3535, 98.9203**, and **7.4669, 7.1219, 26.5723** is the 20% darker color. If you saturate the color by 10%, you get **16.8932, 16.4018, 54.5004**, and if you desaturate by 10%, it is **22.0086, 22.9599, 55.4967**.

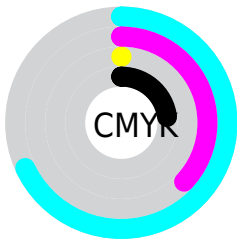
Distribution



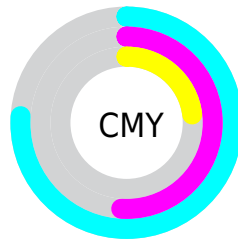
- Red (24%)
- Green (49%)
- Blue (77%)



- Red (24%)
- Yellow (41%)
- Blue (77%)



- Cyan (68%)
- Magenta (37%)
- Yellow (0%)
- Black (23%)



- Cyan (76%)
- Magenta (51%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1581, 19.4250, 54.9642 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 19.1581, 19.4250, 54.9642 by changing the saturation by 10% instead.

■ 19.1581, 19.4250,
54.9642

■ 19.1581, 19.4250,
54.9642

240.2416,
248.7851, 423.0543

■ 11.8893, 11.9778,
38.9747

■ 41.5159, 42.4510,
98.9591

■ 6.7400, 6.7285,
26.4323

■ 57.3355, 58.7986,
127.8016

■ 3.3449, 3.2929,
16.9187

■ 76.7362, 78.8818,
161.7654

■ 1.3387, 1.2865,
10.0152

■ 100.0832,
103.0849, 201.2692

■ 0.2119, 0.1307,
5.3033

■ 127.7418,
131.7924, 246.7314

■ 0.0000, 0.0000,
2.3645

160.0776,

■ 0.0000, 0.0000,

165.3887, 298.5707

0.7670

197.4557,
204.2581, 357.2055

■ 0.0000, 0.0000,
0.0000

■ 19.1581, 19.4250,
54.9642

■ 19.1581, 19.4250,
54.9642

■ 16.8932, 16.4018,
54.5004

■ 22.0086, 22.9599,
55.4967

■ 15.1569, 13.8536,
54.1001

■ 25.4895, 27.0351,
56.0998

■ 13.8664, 11.7311,
53.7584

■ 29.6432, 31.6786,
56.7772

■ 13.6778, 11.4134,
53.7071

■ 34.5078, 36.9159,
57.5317

■ 40.1181, 42.7705,
58.3660

■ 46.5066, 49.2645,
59.2828

■ 53.7038, 56.4187,
60.2844

■ 61.7384, 64.2530,
61.3731

■ 70.6377, 72.7863,
62.5511

Harmonies

Analogous

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



15.1288, 19.4250, 50.9040



19.1581, 19.4250, 54.9642



23.6284, 19.4250, 47.4532

Triad

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



19.1581, 19.4250, 54.9642



26.1935, 19.4250, 10.2602



11.9061, 19.4250, 12.5100

Complementary

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



19.1581, 19.4250, 54.9642



32.1610, 29.1361, 8.4874

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.



14.1110, 19.4250, 6.9746



19.1581, 19.4250, 54.9642



22.2540, 19.4250, 6.0774

Square

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



19.1581, 19.4250, 54.9642



28.0751, 19.4250, 19.2443



17.7847, 19.4250, 5.1676



11.3410, 19.4250, 23.1787

Rectangle

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



19.1581, 19.4250, 54.9642



26.1359, 19.4250, 38.1425



17.7847, 19.4250, 5.1676



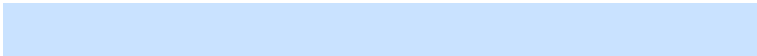
12.4611, 19.4250, 10.1454

Sweetspot

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



19.1589, 19.4256, 54.9647



69.5163, 74.2154, 105.2688



25.9935, 42.2111, 29.1388



14.2641, 15.2443, 22.4406



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.



19.1589, 19.4256, 54.9647



28.9411, 27.3363, 98.3588



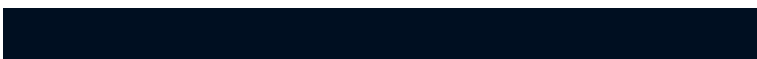
13.9659, 8.6065, 53.1501



9.9037, 10.4988, 12.7893



8.8728, 7.5021, 34.5370



0.4522, 0.4619, 1.5152

Inverse Universe

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



28.1264, 16.6373, 20.7982



47.1440, 25.1785, 28.2200



42.2303, 50.9738, 12.1718



10.2627, 10.1537, 11.4740



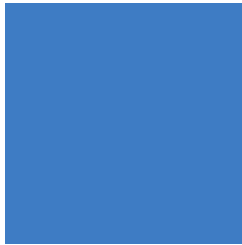
15.8746, 8.0396, 7.2515



0.7207, 0.3613, 0.4964

Previews

White Background



This preview shows how the XYZ color 19.1581, 19.4250, 54.9642 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 19.1581, 19.4250, 54.9642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

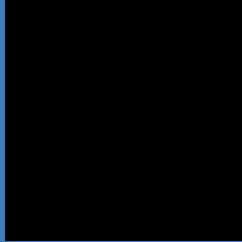
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.1581, 19.4250, 54.9642

Background



This preview shows how black text looks on a background with the XYZ color 19.1581, 19.4250, 54.9642.



This preview shows how white text looks on a background with the XYZ color 19.1581, 19.4250,

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

19.1581, 19.4250, 54.9642

Protanopia

20.6169, 19.3349, 51.9356

Deuteranopia

20.0181, 19.4868, 55.5296



Tritanopia

13.9893, 19.2767, 29.7715

Trichromacy



Original Color

19.1581, 19.4250, 54.9642

Protanomaly

19.9427, 19.3188, 53.1299

Deuteranomaly

19.7595, 19.5367, 55.5528

Tritanomaly

15.4464, 19.0389, 37.9827

Monochromacy



Original Color

19.1581, 19.4250, 54.9642

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.2318, 17.4034, 28.8892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1581, 19.4250, 54.9642 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(62, 124, 196)` looks like.

```
.text, #text, p{  
    color:rgb(62, 124, 196)  
}
```

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(62, 124, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 124, 196) }
```

Border

The CSS property to change the border of an element to XYZ 19.1581, 19.4250, 54.9642 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(62, 124, 196) }
```


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

```
.border{ border-color:rgb(62, 124, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 124, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 124, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 124, 196);  
box-shadow:4px 4px 4px 4px rgb(62, 124,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1581, 19.4250, 54.9642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 124, 196) }
```

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

```
.background{ background-color: rgb(62, 124,  
196) }
```

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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