

Converting Colors

XYZ(18.5447, 19.9431, 36.5543)

Have a look what the booklet for
XYZ(18.5447, 19.9431, 36.5543)
contains.

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Color

**XYZ(18.5100, 19.8746,
36.5788)**

Conversions

Conversions Part 1

Format	Color
Hex	5E7EA1
RGB	94, 126, 161
RGB Percent	37%, 49%, 63%
CMY	0.6314, 0.5059, 0.3686
CMYK	0.42, 0.22, 0.00, 0.37
HSL	211°, 26%, 50%
HSV	211°, 42%, 63%
XYZ	18.5100, 19.8746, 36.5788
YIQ	120.4220, -30.3070, 4.1010

Conversions

Conversions Part 2

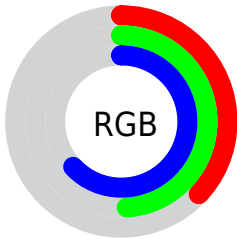
Format	Color
R_{YB}	94, 116, 161
Decimal	6192801
CIE _{Lab}	51.70, -1.97, -22.32
CIE _{LCh}	52, 22.405, 264.953
Yxy	19.8746, 0.2469, 0.2651
Android (android.graphics.Color)	4284382881 (0xFF5E7EA1)
YUV	120.4220, 20.0050, -23.1721
Hunter-Lab	44.5809, -3.9035, -17.4410

Details

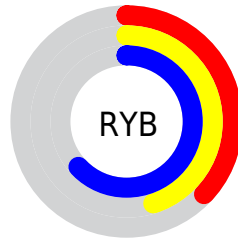
The XYZ color **18.5100, 19.8746, 36.5788** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **24.5691, 24.0864, 13.9447**, and the grayscale version is **17.9331, 18.8671, 20.5462**.

A 20% lighter version of the original color is **40.5474, 43.4011, 71.2059**, and **6.3690, 6.9041, 15.4649** is the 20% darker color. If you saturate the color by 10%, you get **15.9975, 17.0498, 36.1663**, and if you desaturate by 10%, it is **21.4586, 23.0594, 37.0385**.

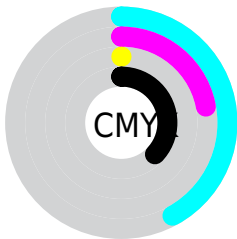
Distribution



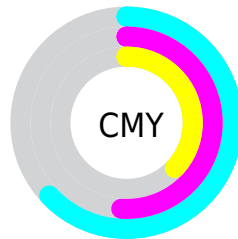
- Red (37%)
- Green (49%)
- Blue (63%)



- Red (37%)
- Yellow (45%)
- Blue (63%)



- Cyan (42%)
- Magenta (22%)
- Yellow (0%)
- Black (37%)



- Cyan (63%)
- Magenta (51%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5100, 19.8746, 36.5788 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 18.5100, 19.8746, 36.5788 by changing the saturation by 10% instead.

■ 18.5100, 19.8746,
36.5788

■ 18.5100, 19.8746,
36.5788

236.7205,
251.2354, 346.5970

■ 11.4187, 12.3039,
24.5883

■ 40.4278, 43.2068,
71.1036

■ 6.4185, 6.9510,
15.5544

■ 55.9849, 59.7372,
94.4749

■ 3.1443, 3.4315,
9.0585

■ 75.0947, 80.0229,
122.4770

■ 1.2305, 1.3609,
4.6820

■ 98.1224, 104.4483,
155.5283

■ 0.1303, 0.1877,
2.0065

125.4335,
133.3979, 194.0475

■ 0.0000, 0.0000,
0.5592

157.3934,

■ 0.0000, 0.0000,

167.2560, 238.4529

0.0000

194.3672,
206.4071, 289.1632

■ 18.5100, 19.8746,
36.5788

■ 18.5100, 19.8746,
36.5788

■ 15.9975, 17.0498,
36.1663

■ 21.4586, 23.0594,
37.0385

■ 13.8954, 14.5670,
35.7979

■ 24.8632, 26.6162,
37.5456

■ 12.1779, 12.4101,
35.4721

■ 28.7448, 30.5594,
38.1021

■ 10.8154, 10.5602,
35.1868

■ 33.1224, 34.9017,
38.7095

■ 9.7730, 8.9955,
34.9398

■ 38.0138, 39.6553,
39.3693

■ 9.0797, 7.8664,
34.7584

■ 43.4361, 44.8317,
40.0826

■ 49.4055, 50.4419,
40.8509

■ 55.9374, 56.4966,
41.6753

■ 63.0467, 63.0060,
42.5570

Harmonies

Analogous

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



16.5000, 19.8746, 33.5299



18.5100, 19.8746, 36.5788



20.7861, 19.8746, 35.0193

Triad

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



18.5100, 19.8746, 36.5788



23.1164, 19.8746, 16.7969



15.5470, 19.8746, 15.2436

Complementary

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



18.5100, 19.8746, 36.5788



24.5691, 24.0864, 13.9447

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.



17.1133, 19.8746, 12.1937



18.5100, 19.8746, 36.5788



21.5008, 19.8746, 12.9570

Square

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



18.5100, 19.8746, 36.5788



23.5647, 19.8746, 22.7550



19.2756, 19.8746, 11.4487



14.8788, 19.8746, 20.5622

Rectangle

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



18.5100, 19.8746, 36.5788



22.1344, 19.8746, 31.7116



19.2756, 19.8746, 11.4487



15.9796, 19.8746, 13.9647

Sweetspot

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



18.5107, 19.8754, 36.5793



51.0283, 54.2761, 68.1734



21.2986, 29.4447, 25.1971



11.0005, 11.7116, 14.9244



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.5107, 19.8754, 36.5793



28.9297, 30.8559, 64.8176



15.1679, 13.0186, 35.4320



6.9665, 7.3919, 8.9627



7.2920, 6.3634, 27.7737



0.2005, 0.2283, 0.5993

Inverse Universe

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



22.4671, 17.0896, 21.8539



37.2018, 25.9309, 33.8282



29.2396, 33.7599, 15.5657



7.2080, 7.1397, 8.0820



12.8261, 6.4865, 6.2750



0.2934, 0.1458, 0.2575

Previews

White Background



This preview shows how the XYZ color 18.5100, 19.8746, 36.5788 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 18.5100, 19.8746, 36.5788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

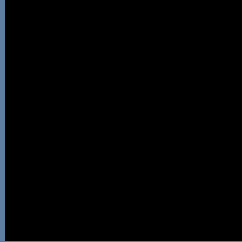
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

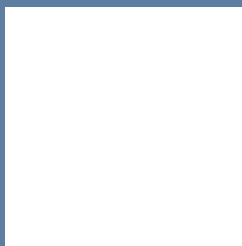
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.5100, 19.8746, 36.5788

Background



This preview shows how black text looks on a background with the XYZ color 18.5100, 19.8746, 36.5788.

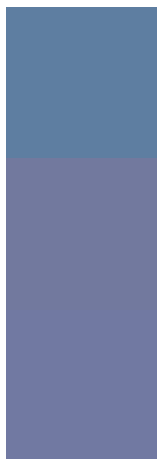


This preview shows how white text looks on a background with the XYZ color 18.5100, 19.8746,

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

18.5100, 19.8746, 36.5788

Protanopia

19.9484, 19.7208, 35.1029

Deuteranopia

20.1690, 19.7941, 36.9400



Tritanopia

16.7408, 19.9334, 27.7761

Trichromacy



Original Color

18.5100, 19.8746, 36.5788

Protanomaly

19.4044, 19.7949, 35.5990

Deuteranomaly

19.5484, 19.8387, 36.9814

Tritanomaly

17.4120, 20.0123, 30.9620

Monochromacy



Original Color

18.5100, 19.8746, 36.5788

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.8883, 19.0478, 25.6555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5100, 19.8746, 36.5788 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, 126, 161) looks like.

```
.text, #text, p{  
    color:rgb(94, 126, 161)  
}
```

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, 126, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 126, 161) }
```

Border

The CSS property to change the border of an element to XYZ 18.5100, 19.8746, 36.5788 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, 126, 161) }
```


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

```
.border{ border-color:rgb(94, 126, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 126, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 126, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 126, 161);  
box-shadow:4px 4px 4px 4px rgb(94, 126,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5100, 19.8746, 36.5788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 126, 161) }
```

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

```
.background{ background-color: rgb(94, 126,  
161) }
```

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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