

Converting Colors

XYZ(18.6413, 18.4187, 53.8248)

Have a look what the booklet for
XYZ(18.6413, 18.4187, 53.8248)
contains.

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Color

**XYZ(18.6340, 18.4518,
53.6184)**

Conversions

Conversions Part 1

Format	Color
Hex	4178C2
RGB	65, 120, 194
RGB Percent	25%, 47%, 76%
CMY	0.7451, 0.5294, 0.2392
CMYK	0.66, 0.38, 0.00, 0.24
HSL	214°, 51%, 51%
HSV	214°, 66%, 76%
XYZ	18.6340, 18.4518, 53.6184
YIQ	111.9910, -56.5340, 11.3540

Conversions

Conversions Part 2

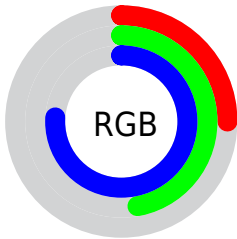
Format	Color
R _Y B	65, 104, 194
Decimal	4290754
CIE Lab	50.04, 5.81, -44.07
CIE LCh	50, 44.456, 277.511
Yxy	18.4518, 0.2054, 0.2034
Android (android.graphics.Color)	4282480834 (0xFF4178C2)
YUV	111.9910, 40.4304, -41.2111
Hunter-Lab	42.9556, 2.2606, -43.9386

Details

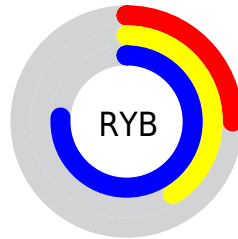
The XYZ color **18.6340, 18.4518, 53.6184** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **32.4361, 30.3180, 9.1444**, and the grayscale version is **15.2964, 16.0930, 17.5252**.

A 20% lighter version of the original color is **40.6226, 40.8301, 97.0067**, and **7.0510, 6.5282, 25.6994** is the 20% darker color. If you saturate the color by 10%, you get **16.3018, 15.3769, 53.1482**, and if you desaturate by 10%, it is **21.5642, 22.0664, 54.1620**.

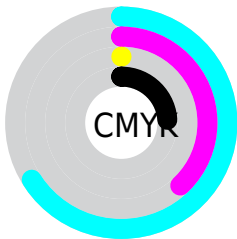
Distribution



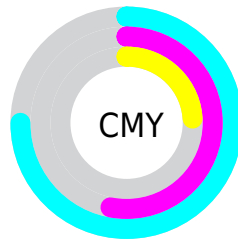
- Red (25%)
- Green (47%)
- Blue (76%)



- Red (25%)
- Yellow (41%)
- Blue (76%)



- Cyan (66%)
- Magenta (38%)
- Yellow (0%)
- Black (24%)



- Cyan (75%)
- Magenta (53%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6340, 18.4518, 53.6184 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 18.6340, 18.4518, 53.6184 by changing the saturation by 10% instead.

■ 18.6340, 18.4518,
53.6184

■ 18.6340, 18.4518,
53.6184

237.3978,
243.4054, 417.7866

■ 11.5085, 11.2748,
37.9056

■ 40.6364, 40.8057,
96.9645

■ 6.4798, 6.2520,
25.6081

■ 56.2441, 56.7514,
125.4348

■ 3.1824, 2.9989,
16.3076

■ 75.4098, 76.3888,
158.9947

■ 1.2509, 1.1312,
9.5854

■ 98.4991, 100.1024,
198.0627

■ 0.1460, 0.0044,
5.0229

■ 125.8771,
128.2764, 243.0573

■ 0.0000, 0.0000,
2.2017

157.9094,

■ 0.0000, 0.0000,

161.2953, 294.3971

0.6754

194.9611,
199.5435, 352.5007

■ 0.0000, 0.0000,
0.0000

■ 18.6340, 18.4518,
53.6184

■ 18.6340, 18.4518,
53.6184

■ 16.3018, 15.3769,
53.1482

■ 21.5642, 22.0664,
54.1620

■ 14.5127, 12.8048,
52.7460

■ 25.1359, 26.2499,
54.7813

■ 13.1999, 10.6931,
52.4076

■ 29.3906, 31.0312,
55.4799

■ 12.8088, 10.0372,
52.3016

■ 34.3657, 36.4363,
56.2610

■ 40.0956, 42.4896,
57.1274

■ 46.6122, 49.2138,
58.0818

■ 53.9456, 56.6307,
59.1269

■ 62.1245, 64.7608,
60.2651

■ 71.1757, 73.6239,
61.4988

Harmonies

Analogous

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



14.5788, 18.4518, 50.6211



18.6340, 18.4518, 53.6184



23.0322, 18.4518, 45.1365

Triad

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



18.6340, 18.4518, 53.6184



24.8968, 18.4518, 8.8982



10.9886, 18.4518, 12.3667

Complementary

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



18.6340, 18.4518, 53.6184



32.4361, 30.3180, 9.1444

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.



12.9952, 18.4518, 6.6083



18.6340, 18.4518, 53.6184



20.8725, 18.4518, 5.2483

Square

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



18.6340, 18.4518, 53.6184



27.0109, 18.4518, 17.1692



16.4856, 18.4518, 4.6258



10.5876, 18.4518, 23.3265

Rectangle

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



18.6340, 18.4518, 53.6184



25.4220, 18.4518, 35.5677



16.4856, 18.4518, 4.6258



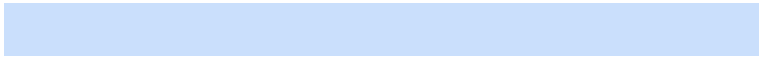
11.4799, 18.4518, 9.9160

Sweetspot

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



18.6347, 18.4524, 53.6189



68.5061, 72.6431, 102.8807



26.0673, 41.5459, 30.7292



14.3527, 15.2215, 22.4315



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.



18.6347, 18.4524, 53.6189



27.8697, 25.5233, 95.9274



14.4222, 9.1167, 52.0389



9.8734, 10.4382, 12.7792



8.4991, 6.7548, 34.4125



0.4355, 0.4283, 1.5096

Inverse Universe

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



27.5292, 16.6069, 19.5243



45.9559, 24.8974, 25.8977



40.3508, 49.3299, 12.3969



10.2474, 10.1476, 11.3935



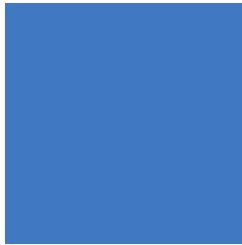
15.6859, 7.9641, 6.2582



0.7122, 0.3579, 0.4518

Previews

White Background



This preview shows how the XYZ color 18.6340, 18.4518, 53.6184 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 18.6340, 18.4518, 53.6184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

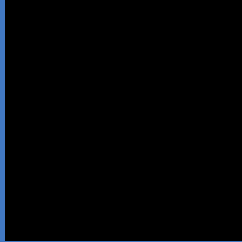
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.6340, 18.4518, 53.6184

Background



This preview shows how black text looks on a background with the XYZ color 18.6340, 18.4518, 53.6184.



This preview shows how white text looks on a background with the XYZ color 18.6340, 18.4518,

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

18.6340, 18.4518, 53.6184

Protanopia

19.7561, 18.3821, 51.2220

Deuteranopia

18.9330, 18.4283, 53.5981



Tritanopia

13.5639, 18.4769, 28.4427

Trichromacy



Original Color

18.6340, 18.4518, 53.6184

Protanomaly

19.1586, 18.2335, 51.7999

Deuteranomaly

18.7887, 18.3539, 53.5913

Tritanomaly

15.0187, 18.2655, 36.4522

Monochromacy



Original Color

18.6340, 18.4518, 53.6184

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.7325, 16.6474, 27.9753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6340, 18.4518, 53.6184 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, 120, 194)` looks like.

```
.text, #text, p{  
    color:rgb(65, 120, 194)  
}
```

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, 120, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 120, 194) }
```

Border

The CSS property to change the border of an element to XYZ 18.6340, 18.4518, 53.6184 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, 120, 194) }
```


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

```
.border{ border-color:rgb(65, 120, 194) }
```

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

Here you see how a box with a 4 pixel rgb(65, 120, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 120, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 120, 194);  
box-shadow:4px 4px 4px 4px rgb(65, 120,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6340, 18.4518, 53.6184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 120, 194) }
```

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

```
.background{ background-color: rgb(65, 120,  
194) }
```

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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