

Converting Colors

XYZ(18.7079, 18.1466, 53.4386)

Have a look what the booklet for
XYZ(18.7079, 18.1466, 53.4386)
contains.

XYZ(18.7418, 18.1540, 53.5552)	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(18.7418, 18.1540,
53.5552)**

Conversions

Conversions Part 1

Format	Color
Hex	4676C2
RGB	70, 118, 194
RGB Percent	27%, 46%, 76%
CMY	0.7255, 0.5372, 0.2392
CMYK	0.64, 0.39, 0.00, 0.24
HSL	217°, 50%, 52%
HSV	217°, 64%, 76%
XYZ	18.7418, 18.1540, 53.5552
YIQ	112.3120, -53.0040, 13.4600

Conversions

Conversions Part 2

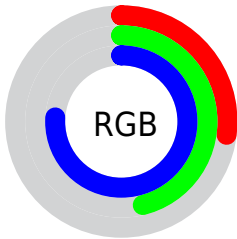
Format	Color
R _{YB}	70, 105, 194
Decimal	4617922
CIE Lab	49.68, 7.91, -44.63
CIE LCh	50, 45.324, 280.050
Yxy	18.1540, 0.2072, 0.2007
Android (android.graphics.Color)	4282808002 (0xFF4676C2)
YUV	112.3120, 40.2722, -37.1076
Hunter-Lab	42.6075, 3.9538, -44.6989

Details

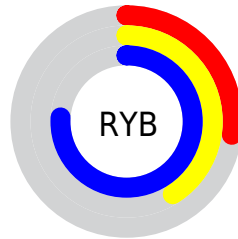
The XYZ color **18.7418, 18.1540, 53.5552** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **33.6337, 32.4712, 10.2903**, and the grayscale version is **15.3900, 16.1915, 17.6325**.

A 20% lighter version of the original color is **40.8406, 40.3816, 96.9087**, and **6.9238, 6.2738, 25.6570** is the 20% darker color. If you saturate the color by 10%, you get **16.2486, 14.9196, 53.0627**, and if you desaturate by 10%, it is **21.8649, 21.9757, 54.1286**.

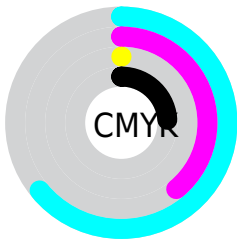
Distribution



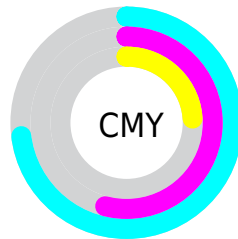
- Red (27%)
- Green (46%)
- Blue (76%)



- Red (27%)
- Yellow (41%)
- Blue (76%)



- Cyan (64%)
- Magenta (39%)
- Yellow (0%)
- Black (24%)



- Cyan (73%)
- Magenta (54%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7418, 18.1540, 53.5552 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 18.7418, 18.1540, 53.5552 by changing the saturation by 10% instead.

■ 18.7418, 18.1540,
53.5552

■ 18.7418, 18.1540,
53.5552

237.9852,
241.7376, 417.5381

■ 11.5868, 11.0606,
37.8554

■ 40.8176, 40.2996,
96.8706

■ 6.5331, 6.1076,
25.5695

■ 56.4691, 56.1205,
125.3234

■ 3.2156, 2.9106,
16.2790

■ 75.6834, 75.6195,
158.8642

■ 1.2688, 1.0853,
9.5653

■ 98.8259, 99.1808,
197.9116

■ 0.1597, 0.0000,
5.0099

■ 126.2620,
127.1889, 242.8842

■ 0.0000, 0.0000,
2.1942

158.3570,

■ 0.0000, 0.0000,

160.0281, 294.2004

0.6710

195.4763,
198.0829, 352.2789

■ 0.0000, 0.0000,
0.0000

■ 18.7418, 18.1540,
53.5552

■ 18.7418, 18.1540,
53.5552

■ 16.2486, 14.9196,
53.0627

■ 21.8649, 21.9757,
54.1286

■ 14.3313, 12.2341,
52.6454

■ 25.6613, 26.4155,
54.7855

■ 12.9288, 10.0562,
52.2989

■ 30.1727, 31.5040,
55.5299

■ 12.2600, 8.9398,
52.1187

■ 35.4366, 37.2687,
56.3652

■ 41.4877, 43.7358,
57.2945

■ 48.3585, 50.9295,
58.3209

■ 56.0796, 58.8731,
59.4472

■ 64.6800, 67.5887,
60.6762

■ 74.1871, 77.0974,
62.0105

Harmonies

Analogous

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



14.5790, 18.1540, 51.5214



18.7418, 18.1540, 53.5552



23.1554, 18.1540, 44.0684

Triad

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



18.7418, 18.1540, 53.5552



24.4075, 18.1540, 8.0904



10.5785, 18.1540, 12.7243

Complementary

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



18.7418, 18.1540, 53.5552



33.6337, 32.4712, 10.2903

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.



12.4529, 18.1540, 6.5966



18.7418, 18.1540, 53.5552



20.2396, 18.1540, 4.7978

Square

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



18.7418, 18.1540, 53.5552



26.7686, 18.1540, 15.9074



15.8487, 18.1540, 4.3971



10.3136, 18.1540, 24.2044

Rectangle

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



18.7418, 18.1540, 53.5552



25.4773, 18.1540, 34.1405



15.8487, 18.1540, 4.3971



11.0244, 18.1540, 10.1277

Sweetspot

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



18.7425, 18.1546, 53.5557



69.0782, 72.7652, 102.8741



26.8831, 41.9121, 33.2203



14.4443, 15.2016, 22.4229



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.



18.7425, 18.1546, 53.5557



27.8201, 24.8171, 95.7937



15.4433, 10.0883, 52.1726



9.8409, 10.3730, 12.7684



8.1348, 6.0261, 34.2910



0.4184, 0.3942, 1.5039

Inverse Universe

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



27.7090, 17.1586, 18.9915



46.0791, 25.5140, 24.7972



39.5950, 48.9227, 13.1516



10.2310, 10.1410, 11.3068



15.5020, 7.8906, 5.2899



0.7036, 0.3544, 0.4064

Previews

White Background



This preview shows how the XYZ color 18.7418, 18.1540, 53.5552 looks on a white 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

Black Background



This preview shows how the XYZ color 18.7418, 18.1540, 53.5552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

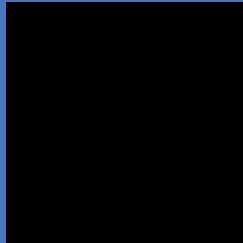
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.7418, 18.1540, 53.5552

Background



This preview shows how black text looks on a background with the XYZ color 18.7418, 18.1540, 53.5552.



This preview shows how white text looks on a background with the XYZ color 18.7418, 18.1540,

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

18.7418, 18.1540, 53.5552

Protanopia

19.4652, 18.0493, 51.7482

Deuteranopia

18.5999, 18.0809, 53.5486



Tritanopia

13.4590, 18.0451, 27.5846

Trichromacy



Original Color

18.7418, 18.1540, 53.5552

Protanomaly

19.1532, 18.0459, 52.3429

Deuteranomaly

18.6703, 18.1171, 53.5519

Tritanomaly

15.0440, 17.9091, 35.9216

Monochromacy



Original Color

18.7418, 18.1540, 53.5552

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.8296, 16.5290, 27.9473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7418, 18.1540, 53.5552 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(70, 118, 194)` looks like.

```
.text, #text, p{  
    color:rgb(70, 118, 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(70, 118, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 118, 194) }
```

Border

The CSS property to change the border of an element to XYZ 18.7418, 18.1540, 53.5552 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(70, 118, 194) }
```


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

```
.border{ border-color:rgb(70, 118, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 118, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 118, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 118, 194);  
box-shadow:4px 4px 4px 4px rgb(70, 118,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7418, 18.1540, 53.5552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 118, 194) }
```

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

```
.background{ background-color: rgb(70, 118,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor