

Converting Colors

XYZ(18.5750, 17.5921, 51.5575)

Have a look what the booklet for
XYZ(18.5750, 17.5921, 51.5575)
contains.

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Color

**XYZ(18.5953, 17.6008,
51.7074)**

Conversions

Conversions Part 1

Format	Color
Hex	4D73BF
RGB	77, 115, 191
RGB Percent	30%, 45%, 75%
CMY	0.6980, 0.5490, 0.2510
CMYK	0.60, 0.40, 0.00, 0.25
HSL	220°, 47%, 53%
HSV	220°, 60%, 75%
XYZ	18.5953, 17.6008, 51.7074
YIQ	112.3020, -47.0440, 15.5800

Conversions

Conversions Part 2

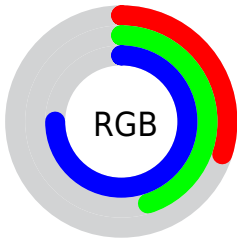
Format	Color
R_{YB}	77, 106, 191
Decimal	5075903
CIE _{Lab}	49.01, 10.05, -43.95
CIE _{LCh}	49, 45.089, 282.885
Yxy	17.6008, 0.2115, 0.2002
Android (android.graphics.Color)	4283265983 (0xFF4D73BF)
YUV	112.3020, 38.7981, -30.9599
Hunter-Lab	41.9533, 5.6997, -43.7075

Details

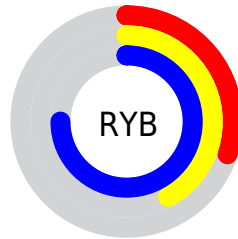
The XYZ color **18.5953, 17.6008, 51.7074** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **34.2180, 34.3969, 11.8582**, and the grayscale version is **15.3900, 16.1914, 17.6325**.

A 20% lighter version of the original color is **40.7537, 39.5656, 94.2959**, and **6.5825, 5.9404, 24.4666** is the 20% darker color. If you saturate the color by 10%, you get **15.9212, 14.2137, 51.1949**, and if you desaturate by 10%, it is **21.9238, 21.6235, 52.3088**.

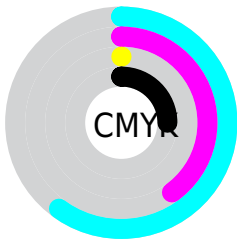
Distribution



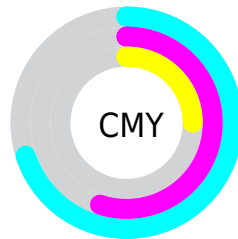
- Red (30%)
- Green (45%)
- Blue (75%)



- Red (30%)
- Yellow (42%)
- Blue (75%)



- Cyan (60%)
- Magenta (40%)
- Yellow (0%)
- Black (25%)



- Cyan (70%)
- Magenta (55%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5953, 17.6008, 51.7074 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 18.5953, 17.6008, 51.7074 by changing the saturation by 10% instead.

■ 18.5953, 17.6008,
51.7074

■ 18.5953, 17.6008,
51.7074

237.1866,
238.6112, 410.2307

■ 11.4805, 10.6638,
36.3913

■ 40.5713, 39.3559,
94.1218

■ 6.4607, 5.8412,
24.4444

■ 56.1632, 54.9428,
122.0571

■ 3.1705, 2.7488,
15.4484

■ 75.3115, 74.1817,
155.0358

■ 1.2445, 1.0020,
8.9846

■ 98.3816, 97.4571,
193.4766

■ 0.1411, 0.0000,
4.6344

■ 125.7388,
125.1534, 237.7980

■ 0.0000, 0.0000,
1.9795

157.7484,

■ 0.0000, 0.0000,

157.6549, 288.4184

0.5426

194.7759,
195.3460, 345.7565

■ 0.0000, 0.0000,
0.0000

■ 18.5953, 17.6008,
51.7074

■ 18.5953, 17.6008,
51.7074

■ 15.9212, 14.2137,
51.1949

■ 21.9238, 21.6235,
52.3088

■ 13.8503, 11.4230,
50.7654

■ 25.9483, 26.3140,
53.0020

■ 12.3264, 9.1870,
50.4141

■ 30.7090, 31.7042,
53.7915

■ 11.2487, 7.4397,
50.1337

■ 36.2426, 37.8231,
54.6810

■ 11.2184, 7.3903,
50.1257

■ 42.5830, 44.6982,
55.6738

■ 49.7621, 52.3553,
56.7734

■ 57.8101, 60.8191,
57.9829

■ 66.7554, 70.1129,
59.3053

■ 76.6254, 80.2594,
60.7436

Harmonies

Analogous

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



14.4632, 17.6008, 50.8559



18.5953, 17.6008, 51.7074



22.8486, 17.6008, 41.5968

Triad

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



18.5953, 17.6008, 51.7074



23.3714, 17.6008, 7.3405



10.1370, 17.6008, 13.1319

Complementary

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



18.5953, 17.6008, 51.7074



34.2180, 34.3969, 11.8582

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.



11.8131, 17.6008, 6.7221



18.5953, 17.6008, 51.7074



19.2199, 17.6008, 4.4694

Square

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



18.5953, 17.6008, 51.7074



25.9009, 17.6008, 14.4556



14.9920, 17.6008, 4.3040



10.0269, 17.6008, 24.7984

Rectangle

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



18.5953, 17.6008, 51.7074



24.9959, 17.6008, 31.7565



14.9920, 17.6008, 4.3040



10.5212, 17.6008, 10.4376

Sweetspot

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



18.5960, 17.6014, 51.7078



66.4091, 69.3793, 98.1705



27.4420, 41.1399, 36.6326



13.8960, 14.4832, 21.4484



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



18.5960, 17.6014, 51.7078



27.1150, 23.6113, 91.4075



16.8829, 11.5574, 50.6315



9.2694, 9.7310, 12.0619



7.4394, 4.9906, 32.9641



0.3528, 0.3182, 1.3117

Inverse Universe

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



27.2349, 17.6230, 18.1861



44.5623, 25.7007, 23.2475



36.9843, 46.5686, 14.0618



9.6578, 9.5874, 10.5870



14.7558, 7.5335, 4.0079



0.6090, 0.3075, 0.3201

Previews

White Background



This preview shows how the XYZ color 18.5953, 17.6008, 51.7074 looks on a white background.

Color Contrast Check

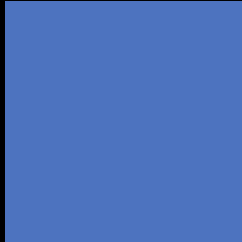
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5953, 17.6008, 51.7074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

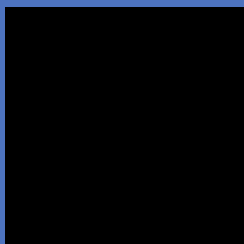
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

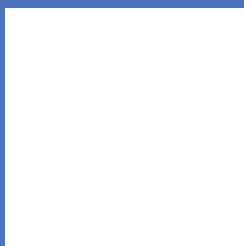
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.5953, 17.6008, 51.7074

Background



This preview shows how black text looks on a background with the XYZ color 18.5953, 17.6008, 51.7074.

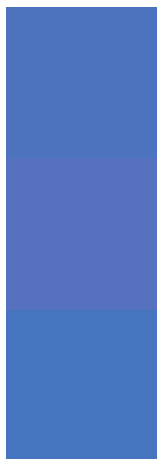


This preview shows how white text looks on a background with the XYZ color 18.5953, 17.6008,

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

18.5953, 17.6008, 51.7074

Protanopia

19.0371, 17.5064, 51.0909

Deuteranopia

18.2195, 17.7494, 51.7559



Tritanopia

13.5729, 17.7418, 26.3760

Trichromacy



Original Color

18.5953, 17.6008, 51.7074

Protanomaly

18.8789, 17.5913, 51.1156

Deuteranomaly

18.3218, 17.6301, 51.7275

Tritanomaly

15.1554, 17.6244, 34.5014

Monochromacy



Original Color

18.5953, 17.6008, 51.7074

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.8584, 16.3860, 27.5263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5953, 17.6008, 51.7074 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(77, 115, 191)` looks like.

```
.text, #text, p{  
  color:rgb(77, 115, 191)  
}
```

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(77, 115, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 115, 191) }
```

Border

The CSS property to change the border of an element to XYZ 18.5953, 17.6008, 51.7074 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(77, 115, 191) }
```


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

```
.border{ border-color:rgb(77, 115, 191) }
```

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

Here you see how a box with a 4 pixel rgb(77, 115, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 115, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 115, 191);  
box-shadow:4px 4px 4px 4px rgb(77, 115,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5953, 17.6008, 51.7074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 115, 191) }
```

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

```
.background{ background-color: rgb(77, 115,  
191) }
```

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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