

Converting Colors

XYZ(19.5802, 19.2901, 53.7714)

Have a look what the booklet for
XYZ(19.5802, 19.2901, 53.7714)
contains.

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Color

**XYZ(19.5988, 19.3100,
53.7332)**

Conversions

Conversions Part 1

Format	Color
Hex	4B7AC2
RGB	75, 122, 194
RGB Percent	29%, 48%, 76%
CMY	0.7059, 0.5216, 0.2392
CMYK	0.61, 0.37, 0.00, 0.24
HSL	216°, 49%, 53%
HSV	216°, 61%, 76%
XYZ	19.5988, 19.3100, 53.7332
YIQ	116.1550, -51.1240, 12.4280

Conversions

Conversions Part 2

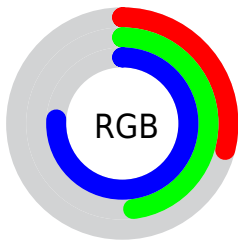
Format	Color
R _Y B	75, 109, 194
Decimal	4946626
CIE Lab	51.05, 6.39, -42.45
CIE LCh	51, 42.928, 278.565
Yxy	19.3100, 0.2116, 0.2084
Android (android.graphics.Color)	4283136706 (0xFF4B7AC2)
YUV	116.1550, 38.3776, -36.0929
Hunter-Lab	43.9431, 2.7111, -41.7390

Details

The XYZ color **19.5988, 19.3100, 53.7332** 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 **33.9531, 32.8466, 11.2082**, and the grayscale version is **16.5460, 17.4077, 18.9570**.

A 20% lighter version of the original color is **42.2215, 42.2237, 97.1915**, and **7.1824, 6.7910, 25.7432** is the 20% darker color. If you saturate the color by 10%, you get **16.9510, 15.9333, 53.2214**, and if you desaturate by 10%, it is **22.8847, 23.2747, 54.3257**.

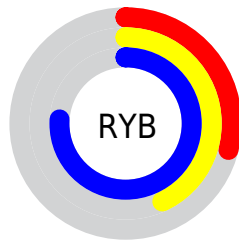
Distribution



Red (29%)

Green (48%)

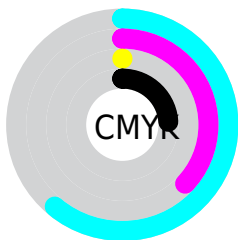
Blue (76%)



Red (29%)

Yellow (43%)

Blue (76%)

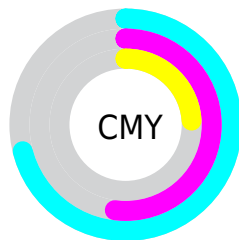


Cyan (61%)

Magenta (37%)

Yellow (0%)

Black (24%)



Cyan (71%)

Magenta (52%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5988, 19.3100, 53.7332 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 19.5988, 19.3100, 53.7332 by changing the saturation by 10% instead.

■ 19.5988, 19.3100,
53.7332

■ 19.5988, 19.3100,
53.7332

242.6100,
248.1548, 418.2376

■ 12.2103, 11.8945,
37.9967

■ 42.2526, 42.2573,
97.1348

■ 6.9603, 6.6719,
25.6783

■ 58.2486, 58.5578,
125.6370

■ 3.4834, 3.2578,
16.3595

■ 77.8446, 78.5888,
159.2316

■ 1.4142, 1.2677,
9.6218

■ 101.4057,
102.7347, 198.3369

■ 0.2663, 0.1160,
5.0466

■ 129.2975,
131.3799, 243.3717

■ 0.0000, 0.0000,
2.2154

161.8852,

■ 0.0000, 0.0000,

164.9087, 294.7543

0.6833

199.5343,
203.7055, 352.9035

■ 0.0000, 0.0000,
0.0000

■ 19.5988, 19.3100,
53.7332

■ 19.5988, 19.3100,
53.7332

■ 16.9510, 15.9333,
53.2214

■ 22.8847, 23.2747,
54.3257

■ 14.8894, 13.1078,
52.7847

■ 26.8506, 27.8567,
55.0011

■ 13.3564, 10.7944,
52.4189

■ 31.5368, 33.0857,
55.7634

■ 12.3649, 9.1496,
52.1537

■ 36.9799, 38.9882,
56.6158

■ 43.2138, 45.5894,
57.5614

■ 50.2704, 52.9131,
58.6031

■ 58.1794, 60.9817,
59.7436

■ 66.9694, 69.8167,
60.9857

■ 76.6673, 79.4386,
62.3318

Harmonies

Analogous

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



15.5241, 19.3100, 51.2330



19.5988, 19.3100, 53.7332



23.9389, 19.3100, 45.1721

Triad

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



19.5988, 19.3100, 53.7332



25.5199, 19.3100, 9.5428



11.7447, 19.3100, 13.5746

Complementary

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



19.5988, 19.3100, 53.7332



33.9531, 32.8466, 11.2082

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.



13.7125, 19.3100, 7.5139



19.5988, 19.3100, 53.7332



21.5076, 19.3100, 5.8905

Square

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



19.5988, 19.3100, 53.7332



27.6870, 19.3100, 17.7262



17.1622, 19.3100, 5.3276



11.3959, 19.3100, 24.7103

Rectangle

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



19.5988, 19.3100, 53.7332



26.2536, 19.3100, 35.7596



17.1622, 19.3100, 5.3276



12.2223, 19.3100, 11.0226

Sweetspot

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



19.5996, 19.3106, 53.7337



70.2899, 74.1498, 103.0775



27.4138, 42.1679, 34.0531



14.6914, 15.4896, 22.4654



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.



19.5996, 19.3106, 53.7337



29.1576, 26.7886, 96.1037



16.1758, 10.9497, 52.3003



9.8474, 10.3861, 12.7705



8.2045, 6.1656, 34.3143



0.4217, 0.4009, 1.5050

Inverse Universe

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



28.2778, 17.9076, 20.3790



46.9258, 26.5100, 27.2297



39.8775, 49.0494, 14.0234



10.2343, 10.1423, 11.3241



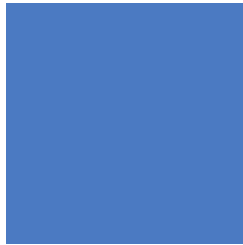
15.5372, 7.9047, 5.4752



0.7053, 0.3551, 0.4153

Previews

White Background



This preview shows how the XYZ color 19.5988, 19.3100, 53.7332 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 19.5988, 19.3100, 53.7332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

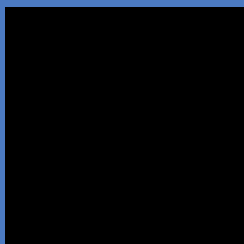
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

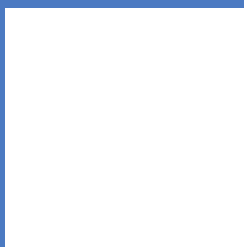
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.5988, 19.3100, 53.7332

Background



This preview shows how black text looks on a background with the XYZ color 19.5988, 19.3100, 53.7332.



This preview shows how white text looks on a background with the XYZ color 19.5988, 19.3100,

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

19.5988, 19.3100, 53.7332

Protanopia

20.6169, 19.3349, 51.9356

Deuteranopia

19.7994, 19.2321, 53.7076



Tritanopia

14.5744, 19.1895, 28.9224

Trichromacy



Original Color

19.5988, 19.3100, 53.7332

Protanomaly

20.1614, 19.2649, 52.5251

Deuteranomaly

19.7169, 19.1895, 53.7037

Tritanomaly

16.1042, 19.0076, 37.0025

Monochromacy



Original Color

19.5988, 19.3100, 53.7332

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.8793, 17.7372, 28.9195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5988, 19.3100, 53.7332 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(75, 122, 194)` looks like.

```
.text, #text, p{  
    color:rgb(75, 122, 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(75, 122, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 122, 194) }
```

Border

The CSS property to change the border of an element to XYZ 19.5988, 19.3100, 53.7332 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(75, 122, 194) }
```


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

```
.border{ border-color:rgb(75, 122, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 122, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 122, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 122, 194);  
box-shadow:4px 4px 4px 4px rgb(75, 122,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5988, 19.3100, 53.7332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 122, 194) }
```

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

```
.background{ background-color: rgb(75, 122,  
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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