

Converting Colors

XYZ(17.9722, 11.5553, 52.2600)

Have a look what the booklet for
XYZ(17.9722, 11.5553, 52.2600)
contains.

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Color

**XYZ(17.9988, 11.5939,
52.3281)**

Conversions

Conversions Part 1

Format	Color
Hex	6A48C2
RGB	106, 72, 194
RGB Percent	42%, 28%, 76%
CMY	0.5843, 0.7176, 0.2392
CMYK	0.45, 0.63, 0.00, 0.24
HSL	257°, 50%, 52%
HSV	257°, 63%, 76%
XYZ	17.9988, 11.5939, 52.3281
YIQ	96.0740, -18.8980, 45.1500

Conversions

Conversions Part 2

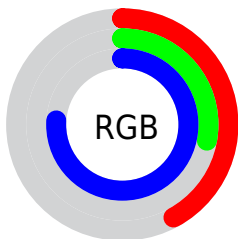
Format	Color
R_{YB}	106, 72, 194
Decimal	6965442
CIE _{Lab}	40.56, 43.32, -59.14
CIE _{LCh}	41, 73.304, 306.224
Yxy	11.5939, 0.2197, 0.1415
Android (android.graphics.Color)	4285155522 (0xFF6A48C2)
YUV	96.0740, 48.2775, 8.7051
Hunter-Lab	34.0498, 34.7683, -67.2826

Details

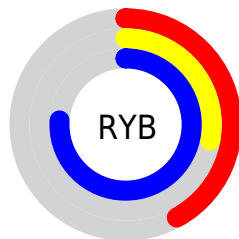
The XYZ color **17.9988, 11.5939, 52.3281** is a dark color, and the websafe version is hex **663399**. The color can be described as dark muted purple. A complement of this color would be **34.9582, 46.5249, 13.2687**, and the grayscale version is **11.0265, 11.6007, 12.6332**.

A 20% lighter version of the original color is **39.4764, 28.6706, 94.7201**, and **6.1591, 3.1217, 24.7040** is the 20% darker color. If you saturate the color by 10%, you get **15.4073, 8.6809, 51.9027**, and if you desaturate by 10%, it is **21.2584, 15.4387, 52.8987**.

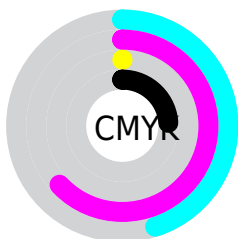
Distribution



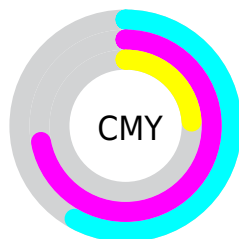
- Red (42%)
- Green (28%)
- Blue (76%)



- Red (42%)
- Yellow (28%)
- Blue (76%)



- Cyan (45%)
- Magenta (63%)
- Yellow (0%)
- Black (24%)



- Cyan (58%)
- Magenta (72%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9988, 11.5939, 52.3281 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 17.9988, 11.5939, 52.3281 by changing the saturation by 10% instead.

■ 17.9988, 11.5939,
52.3281

■ 17.9988, 11.5939,
52.3281

233.9100,
201.6979, 412.6949

■ 11.0488, 6.4678,
36.8826

■ 39.5654, 28.7533,
95.0464

■ 6.1672, 3.1316,
24.8215

■ 54.9127, 41.5554,
123.1564

■ 2.9886, 1.2008,
15.7263

■ 73.7898, 57.6849,
156.3249

■ 1.1478, 0.0624,
9.1785

■ 96.5621, 77.5262,
194.9705

■ 0.0645, 0.0000,
4.7594

■ 123.5949,
101.4638, 239.5118

■ 0.0000, 0.0000,
2.0505

155.2536,

■ 0.0000, 0.0000,

129.8820, 290.3672

0.5861

191.9035,
163.1653, 347.9554

■ 0.0000, 0.0000,
0.0000

■ 17.9988, 11.5939,
52.3281

■ 17.9988, 11.5939,
52.3281

■ 15.4073, 8.6809,
51.9027

■ 21.2584, 15.4387,
52.8987

■ 13.4304, 6.6144,
51.6080

■ 25.2302, 20.2880,
53.6253

■ 12.0080, 5.2946,
51.4282

■ 29.9566, 26.2080,
54.5189

■ 11.2628, 4.6813,
51.3491

■ 35.4757, 33.2593,
55.5891

■ 41.8231, 41.4977,
56.8447

■ 49.0322, 50.9751,
58.2941

■ 57.1343, 61.7406,
59.9450

■ 66.1594, 73.8404,
61.8048

■ 76.1358, 87.3185,
63.8805

Harmonies

Analogous

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



12.1327, 11.5939, 67.3353



17.9988, 11.5939, 52.3281



22.8480, 11.5939, 27.9300

Triad

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



17.9988, 11.5939, 52.3281



15.5324, 11.5939, 0.1995



3.7977, 11.5939, 15.9681

Complementary

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



17.9988, 11.5939, 52.3281



34.9582, 46.5249, 13.2687

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.



4.1968, 11.5939, 4.2736



17.9988, 11.5939, 52.3281



9.9769, 11.5939, 0.0000

Square

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



17.9988, 11.5939, 52.3281



21.1403, 11.5939, 2.1676



6.1277, 11.5939, 0.7551



4.7888, 11.5939, 38.0241

Rectangle

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



17.9988, 11.5939, 52.3281



24.2109, 11.5939, 14.5931



6.1277, 11.5939, 0.7551



3.7795, 11.5939, 10.8401

Sweetspot

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



17.9994, 11.5943, 52.3284



68.2199, 65.3561, 101.4892



25.2368, 30.9261, 55.6784



14.2329, 13.3991, 22.0861



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.



17.9994, 11.5943, 52.3284



26.6129, 14.3294, 93.8330



27.6834, 16.5865, 52.7816



9.7860, 9.8808, 12.6762



7.4745, 3.1137, 33.7637



0.3923, 0.1703, 1.4621

Inverse Universe

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



30.9105, 18.6421, 35.2254



52.4796, 28.5022, 57.1822



25.7689, 41.7877, 12.8386



10.3737, 10.1981, 12.0583



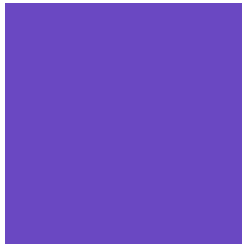
17.7726, 8.7988, 17.2463



0.7960, 0.3914, 0.8929

Previews

White Background



This preview shows how the XYZ color 17.9988, 11.5939, 52.3281 looks on a white background.

Color Contrast Check

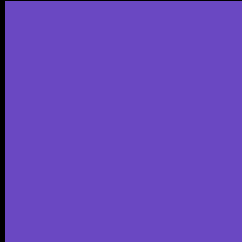
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.9988, 11.5939, 52.3281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

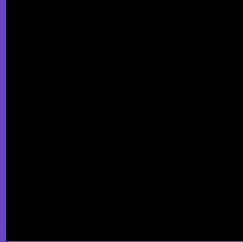
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.9988, 11.5939, 52.3281

Background



This preview shows how black text looks on a background with the XYZ color 17.9988, 11.5939, 52.3281.



This preview shows how white text looks on a background with the XYZ color 17.9988, 11.5939,

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

17.9988, 11.5939, 52.3281

Protanopia

13.6775, 11.5944, 53.1468

Deuteranopia

11.6234, 11.6376, 39.6639



Tritanopia

10.5365, 11.6150, 15.3223

Trichromacy



Original Color

17.9988, 11.5939, 52.3281

Protanomaly

13.9355, 10.8685, 52.9931

Deuteranomaly

12.5458, 10.8308, 44.0771

Tritanomaly

12.4742, 11.2039, 25.5499

Monochromacy



Original Color

17.9988, 11.5939, 52.3281

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.8286, 11.1917, 23.3139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9988, 11.5939, 52.3281 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(106, 72, 194)` looks like.

```
.text, #text, p{  
    color:rgb(106, 72, 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(106, 72, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 72, 194) }
```

Border

The CSS property to change the border of an element to XYZ 17.9988, 11.5939, 52.3281 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(106, 72, 194) }
```


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

```
.border{ border-color:rgb(106, 72, 194) }
```

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

Here you see how a box with a 4 pixel rgb(106, 72, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 72, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 72, 194);  
box-shadow:4px 4px 4px 4px rgb(106, 72,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9988, 11.5939, 52.3281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 72, 194) }
```

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

```
.background{ background-color: rgb(106, 72,  
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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