

Converting Colors

XYZ(19.8554, 18.7216, 39.0023)

Have a look what the booklet for
XYZ(19.8554, 18.7216, 39.0023)
contains.

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Color

**XYZ(19.9025, 18.7255,
39.1246)**

Conversions

Conversions Part 1

Format	Color
Hex	7074A7
RGB	112, 116, 167
RGB Percent	44%, 45%, 65%
CMY	0.5608, 0.5451, 0.3451
CMYK	0.33, 0.31, 0.00, 0.35
HSL	236°, 24%, 55%
HSV	236°, 33%, 65%
XYZ	19.9025, 18.7255, 39.1246
YIQ	120.6180, -18.7550, 15.0130

Conversions

Conversions Part 2

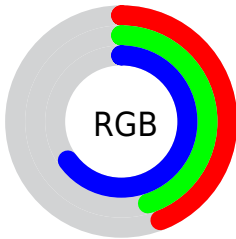
Format	Color
R _{YB}	112, 116, 167
Decimal	7369895
CIE _{Lab}	50.36, 10.86, -27.77
CIE _{LCh}	50, 29.813, 291.357
Yxy	18.7255, 0.2560, 0.2408
Android (android.graphics.Color)	4285559975 (0xFF7074A7)
YUV	120.6180, 22.8663, -7.5580
Hunter-Lab	43.2730, 6.3697, -23.3151

Details

The XYZ color **19.9025, 18.7255, 39.1246** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.9586, 35.5802, 20.5132**, and the grayscale version is **17.9844, 18.9210, 20.6049**.

A 20% lighter version of the original color is **42.7045, 41.2785, 74.8240**, and **7.1482, 6.3962, 17.0775** is the 20% darker color. If you saturate the color by 10%, you get **16.3328, 14.4529, 38.4884**, and if you desaturate by 10%, it is **24.1652, 23.7978, 39.8793**.

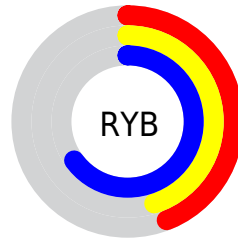
Distribution



Red (44%)

Green (45%)

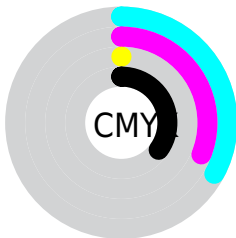
Blue (65%)



Red (44%)

Yellow (45%)

Blue (65%)

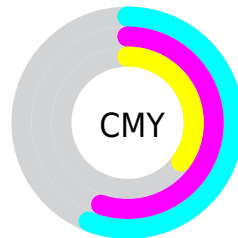


Cyan (33%)

Magenta (31%)

Yellow (0%)

Black (35%)



Cyan (56%)

Magenta (55%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9025, 18.7255, 39.1246 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 19.9025, 18.7255, 39.1246 by changing the saturation by 10% instead.

■ 19.9025, 18.7255,
39.1246

■ 19.9025, 18.7255,
39.1246

244.2304,
244.9292, 357.8617

■ 12.4320, 11.4721,
26.5481

■ 42.7588, 41.2697,
75.0511

■ 7.1129, 6.3853,
17.0047

■ 58.8755, 57.3294,
99.2381

■ 3.5798, 3.0808,
10.0758

■ 78.6048, 77.0932,
128.1324

■ 1.4673, 1.1740,
5.3430

■ 102.3123,
100.9456, 162.1525

■ 0.3034, 0.0404,
2.3877

130.3632,
129.2710, 201.7169

■ 0.0000, 0.0000,
0.7797

163.1230,

■ 0.0000, 0.0000,

162.4538, 247.2443

0.0000

200.9570,
200.8784, 299.1530

■ 19.9025, 18.7255,
39.1246

■ 19.9025, 18.7255,
39.1246

■ 16.3328, 14.4529,
38.4884

■ 24.1652, 23.7978,
39.8793

■ 13.4175, 10.9372,
37.9634

■ 29.1528, 29.7055,
40.7567

■ 11.1174, 8.1347,
37.5437

■ 34.8976, 36.4848,
41.7625

■ 9.3882, 5.9964,
37.2221

■ 41.4293, 44.1689,
42.9014

■ 8.1795, 4.4673,
36.9907

■ 48.7761, 52.7895,
44.1781

■ 7.4321, 3.4831,
36.8401

■ 56.9647, 62.3767,
45.5971

■ 7.1083, 3.0565,
36.7748

■ 66.0208, 72.9592,
47.1624

■ 75.9687, 84.5645,
48.8781

■ 83.9751, 95.5700,
50.5804

Harmonies

Analogous

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



16.9748, 18.7255, 40.5522



19.9025, 18.7255, 39.1246



22.5078, 18.7255, 32.0481

Triad

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



19.9025, 18.7255, 39.1246



21.5041, 18.7255, 10.3025



12.8438, 18.7255, 18.0865

Complementary

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



19.9025, 18.7255, 39.1246



31.9586, 35.5802, 20.5132

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.



13.7958, 18.7255, 11.9682



19.9025, 18.7255, 39.1246



18.6474, 18.7255, 8.3429

Square

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



19.9025, 18.7255, 39.1246



23.5000, 18.7255, 15.1182



15.8474, 18.7255, 8.8566



13.1022, 18.7255, 26.7610

Rectangle

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



19.9025, 18.7255, 39.1246



23.6087, 18.7255, 25.9196



15.8474, 18.7255, 8.8566



13.0288, 18.7255, 15.7069

Sweetspot

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



19.9031, 18.7262, 39.1250



54.9041, 56.3832, 73.4646



27.0600, 33.7061, 39.4570



11.9875, 12.2643, 16.3876



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



19.9031, 18.7262, 39.1250



30.5598, 27.4551, 69.1640



22.7481, 19.5230, 39.1289



7.1740, 7.3849, 9.4657



5.4543, 2.3687, 28.1452



0.1460, 0.0841, 0.6892

Inverse Universe

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



24.8834, 21.0654, 19.2782



40.9995, 32.4797, 27.5334



28.2600, 34.7445, 20.5468



7.5524, 7.5508, 7.9603



12.2537, 6.3102, 0.8814



0.3048, 0.1562, 0.0567

Previews

White Background



This preview shows how the XYZ color 19.9025, 18.7255, 39.1246 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 19.9025, 18.7255, 39.1246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

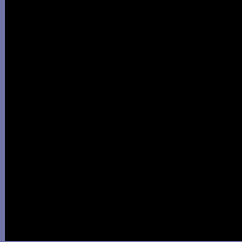
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.9025, 18.7255, 39.1246

Background



This preview shows how black text looks on a background with the XYZ color 19.9025, 18.7255, 39.1246.



This preview shows how white text looks on a background with the XYZ color 19.9025, 18.7255,

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

19.9025, 18.7255, 39.1246

Protanopia

19.3488, 18.7645, 40.1382

Deuteranopia

19.1624, 18.6899, 39.1568



Tritanopia

16.9567, 18.7749, 24.5600

Trichromacy



Original Color

19.9025, 18.7255, 39.1246

Protanomaly

19.4926, 18.6755, 39.6232

Deuteranomaly

19.3997, 18.6384, 39.1343

Tritanomaly

17.8907, 18.6031, 29.4359

Monochromacy



Original Color

19.9025, 18.7255, 39.1246

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.6555, 18.8802, 26.7057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9025, 18.7255, 39.1246 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(112, 116, 167)` looks like.

```
.text, #text, p{  
    color:rgb(112, 116, 167)  
}
```

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(112, 116, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 116, 167) }
```

Border

The CSS property to change the border of an element to XYZ 19.9025, 18.7255, 39.1246 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(112, 116, 167) }
```


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

```
.border{ border-color:rgb(112, 116, 167) }
```

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

Here you see how a box with a 4 pixel rgb(112, 116, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 116, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 116, 167);  
box-shadow:4px 4px 4px 4px rgb(112, 116,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9025, 18.7255, 39.1246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 116, 167) }
```

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

```
.background{ background-color: rgb(112,  
116, 167) }
```

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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