

Converting Colors

XYZ(18.9458, 18.1487, 42.2429)

Have a look what the booklet for
XYZ(18.9458, 18.1487, 42.2429)
contains.

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Color

**XYZ(18.9338, 18.1606,
42.0426)**

Conversions

Conversions Part 1

Format	Color
Hex	6374AD
RGB	99, 116, 173
RGB Percent	39%, 45%, 68%
CMY	0.6118, 0.5451, 0.3216
CMYK	0.43, 0.33, 0.00, 0.32
HSL	226°, 31%, 53%
HSV	226°, 43%, 68%
XYZ	18.9338, 18.1606, 42.0426
YIQ	117.4150, -28.4290, 14.1230

Conversions

Conversions Part 2

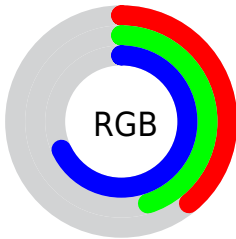
Format	Color
R _Y B	99, 113, 173
Decimal	6517933
CIE Lab	49.69, 8.87, -32.38
CIE LCh	50, 33.570, 285.313
Yxy	18.1606, 0.2393, 0.2295
Android (android.graphics.Color)	4284708013 (0xFF6374AD)
YUV	117.4150, 27.4034, -16.1500
Hunter-Lab	42.6153, 4.7302, -28.6626

Details

The XYZ color **18.9338, 18.1606, 42.0426** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.3747, 33.5626, 16.6297**, and the grayscale version is **16.9617, 17.8450, 19.4332**.

A 20% lighter version of the original color is **41.2824, 40.4347, 79.7576**, and **6.5840, 6.0712, 18.5941** is the 20% darker color. If you saturate the color by 10%, you get **15.8149, 14.4340, 41.4880**, and if you desaturate by 10%, it is **22.6792, 22.5380, 42.6905**.

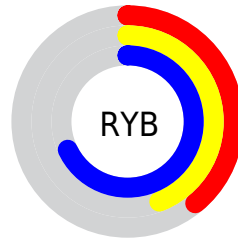
Distribution



Red (39%)

Green (45%)

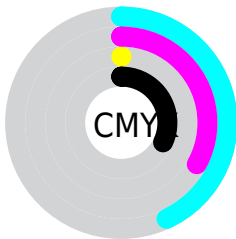
Blue (68%)



Red (39%)

Yellow (44%)

Blue (68%)

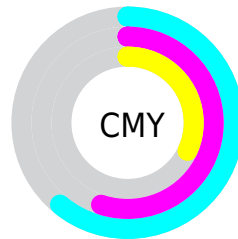


Cyan (43%)

Magenta (33%)

Yellow (0%)

Black (32%)



Cyan (61%)

Magenta (55%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9338, 18.1606, 42.0426 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 18.9338, 18.1606, 42.0426 by changing the saturation by 10% instead.

■ 18.9338, 18.1606,
42.0426

■ 18.9338, 18.1606,
42.0426

239.0282,
241.7747, 370.4644

■ 11.7262, 11.0654,
28.8088

■ 41.1399, 40.3108,
79.5349

■ 6.6284, 6.1108,
18.6919

■ 56.8692, 56.1345,
104.6305

■ 3.2750, 2.9126,
11.2733

■ 76.1697, 75.6365,
134.5171

■ 1.3008, 1.0863,
6.1345

■ 99.4067, 99.2012,
169.6133

■ 0.1838, 0.0000,
2.8569

126.9458,
127.2130, 210.3375

■ 0.0000, 0.0000,
1.0221

159.1521,

■ 0.0000, 0.0000,

160.0563, 257.1084

0.0000

196.3911,
198.1154, 310.3445

■ 18.9338, 18.1606,
42.0426

■ 18.9338, 18.1606,
42.0426

■ 15.8149, 14.4340,
41.4880

■ 22.6792, 22.5380,
42.6905

■ 13.2852, 11.3240,
41.0211

■ 27.0818, 27.5941,
43.4343

■ 11.3061, 8.7963,
40.6375

■ 32.1725, 33.3573,
44.2784

■ 9.8335, 6.8120,
40.3321

■ 37.9795, 39.8540,
45.2264

■ 8.8156, 5.3270,
40.0991

■ 44.5296, 47.1091,
46.2815

■ 8.2930, 4.5175,
39.9704

■ 51.8482, 55.1465,
47.4472

■ 59.9593, 63.9887,
48.7264

■ 68.8860, 73.6575,
50.1222

■ 78.6504, 84.1740,
51.6374

Harmonies

Analogous

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



15.7509, 18.1606, 42.1249



18.9338, 18.1606, 42.0426



22.0043, 18.1606, 34.8951

Triad

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



18.9338, 18.1606, 42.0426



21.9485, 18.1606, 9.7223



11.9773, 18.1606, 15.6425

Complementary

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



18.9338, 18.1606, 42.0426



31.3747, 33.5626, 16.6297

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.



13.2538, 18.1606, 9.8072



18.9338, 18.1606, 42.0426



18.8649, 18.1606, 7.1759

Square

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



18.9338, 18.1606, 42.0426



23.8855, 18.1606, 15.4843



15.6899, 18.1606, 7.2012



11.9909, 18.1606, 24.7903

Rectangle

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



18.9338, 18.1606, 42.0426



23.4619, 18.1606, 28.0641



15.6899, 18.1606, 7.2012



12.2621, 18.1606, 13.3017

Sweetspot

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



18.9345, 18.1613, 42.0430



57.1775, 59.2441, 79.2274



26.0679, 34.9315, 36.7033



11.9799, 12.3723, 17.1444



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.9345, 18.1613, 42.0430



28.7728, 26.3937, 74.3838



19.5765, 15.8447, 41.5620



7.7227, 8.0447, 10.0984



6.1296, 3.3930, 29.3764



0.2114, 0.1761, 0.8308

Inverse Universe

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



24.8484, 19.0696, 18.8948



40.8973, 28.8383, 26.7955



30.3835, 37.5867, 17.4587



8.0778, 8.0444, 8.7206



12.9576, 6.6456, 2.1560



0.3811, 0.1931, 0.1686

Previews

White Background



This preview shows how the XYZ color 18.9338, 18.1606, 42.0426 looks on a white background.

Color Contrast Check

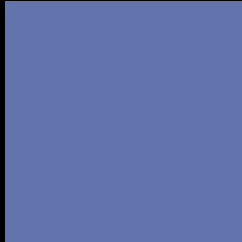
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9338, 18.1606, 42.0426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

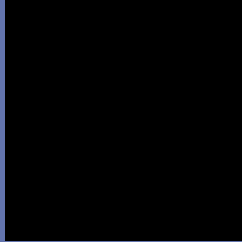
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.9338, 18.1606, 42.0426

Background



This preview shows how black text looks on a background with the XYZ color 18.9338, 18.1606, 42.0426.



This preview shows how white text looks on a background with the XYZ color 18.9338, 18.1606,

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

18.9338, 18.1606, 42.0426

Protanopia

18.9338, 18.1606, 42.0426

Deuteranopia

18.6234, 18.1726, 42.0613



Tritanopia

15.6306, 18.2604, 25.2550

Trichromacy



Original Color

18.9338, 18.1606, 42.0426

Protanomaly

18.9338, 18.1606, 42.0426

Deuteranomaly

18.7280, 18.2265, 42.0662

Tritanomaly

16.6969, 18.1400, 30.6383

Monochromacy



Original Color

18.9338, 18.1606, 42.0426

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.3071, 17.8437, 26.1989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9338, 18.1606, 42.0426 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(99, 116, 173)` looks like.

```
.text, #text, p{  
    color:rgb(99, 116, 173)  
}
```

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(99, 116, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 116, 173) }
```

Border

The CSS property to change the border of an element to XYZ 18.9338, 18.1606, 42.0426 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(99, 116, 173) }
```


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

```
.border{ border-color:rgb(99, 116, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 116, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 116, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 116, 173);  
box-shadow:4px 4px 4px 4px rgb(99, 116,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9338, 18.1606, 42.0426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 116, 173) }
```

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

```
.background{ background-color: rgb(99, 116,  
173) }
```

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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