

Converting Colors

XYZ(19.3441, 18.6982, 40.3558)

Have a look what the booklet for
XYZ(19.3441, 18.6982, 40.3558)
contains.

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Color

**XYZ(19.3488, 18.7645,
40.1382)**

Conversions

Conversions Part 1

Format	Color
Hex	6876A9
RGB	104, 118, 169
RGB Percent	41%, 46%, 66%
CMY	0.5921, 0.5372, 0.3373
CMYK	0.38, 0.30, 0.00, 0.34
HSL	227°, 27%, 54%
HSV	227°, 38%, 66%
XYZ	19.3488, 18.7645, 40.1382
YIQ	119.6280, -24.7150, 12.8930

Conversions

Conversions Part 2

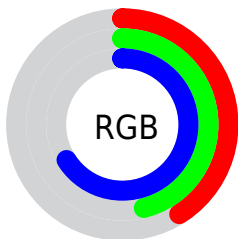
Format	Color
RYB	104, 116, 169
Decimal	6846121
CIELab	50.41, 7.88, -28.90
CIELCh	50, 29.958, 285.249
Yxy	18.7645, 0.2473, 0.2398
Android (android.graphics.Color)	4285036201 (0xFF6876A9)
YUV	119.6280, 24.3404, -13.7058
Hunter-Lab	43.3180, 3.9238, -24.6151

Details

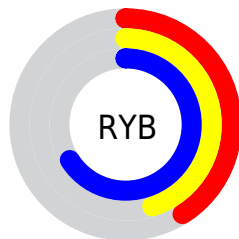
The XYZ color **19.3488, 18.7645, 40.1382** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.5828, 32.8778, 17.8317**, and the grayscale version is **17.6650, 18.5850, 20.2391**.

A 20% lighter version of the original color is **41.7339, 41.2994, 76.2930**, and **6.8692, 6.4216, 17.7071** is the 20% darker color. If you saturate the color by 10%, you get **16.1269, 14.9465, 39.5714**, and if you desaturate by 10%, it is **23.1847, 23.2257, 40.7975**.

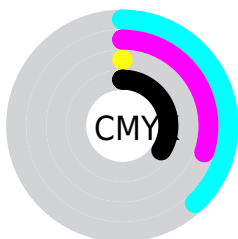
Distribution



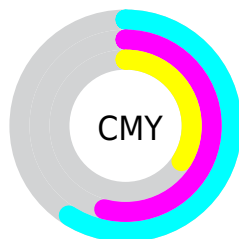
- Red (41%)
- Green (46%)
- Blue (66%)



- Red (41%)
- Yellow (45%)
- Blue (66%)



- Cyan (38%)
- Magenta (30%)
- Yellow (0%)
- Black (34%)



- Cyan (59%)
- Magenta (54%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3488, 18.7645, 40.1382 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 19.3488, 18.7645, 40.1382 by changing the saturation by 10% instead.

■ 19.3488, 18.7645,
40.1382

■ 19.3488, 18.7645,
40.1382

241.2689,
245.1456, 362.2751

■ 12.0281, 11.5002,
27.3317

■ 41.8350, 41.3358,
76.6133

■ 6.8351, 6.4044,
17.5879

■ 57.7312, 57.4116,
101.1190

■ 3.4046, 3.0925,
10.4881

■ 77.2166, 77.1934,
130.3615

■ 1.3712, 1.1802,
5.6140

■ 100.6565,
101.0655, 164.7594

■ 0.2355, 0.0454,
2.5468

128.4164,
129.4124, 204.7311

■ 0.0000, 0.0000,
0.8648

160.8615,

■ 0.0000, 0.0000,

162.6184, 250.6953

0.0000

198.3572,
201.0680, 303.0704

■ 19.3488, 18.7645,
40.1382

■ 19.3488, 18.7645,
40.1382

■ 16.1269, 14.9465,
39.5714

■ 23.1847, 23.2257,
40.7975

■ 13.4844, 11.7391,
39.0916

■ 27.6628, 28.3563,
41.5517

■ 11.3858, 9.1101,
38.6947

■ 32.8120, 34.1834,
42.4051

■ 9.7913, 7.0231,
38.3760

■ 38.6588, 40.7324,
43.3610

■ 8.6547, 5.4376,
38.1298

■ 45.2282, 48.0270,
44.4228

■ 7.9014, 4.2960,
37.9492

■ 52.5441, 56.0899,
45.5935

■ 7.8045, 4.1506,
37.9262

■ 60.6291, 64.9429,
46.8762

■ 69.5049, 74.6069,
48.2737

■ 78.7852, 84.8921,
49.7698

Harmonies

Analogous

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



16.4470, 18.7645, 40.1948



19.3488, 18.7645, 40.1382



22.1147, 18.7645, 33.9294

Triad

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



19.3488, 18.7645, 40.1382



22.0750, 18.7645, 11.0274



12.9495, 18.7645, 16.6140

Complementary

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



19.3488, 18.7645, 40.1382



30.5828, 32.8778, 17.8317

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.



14.1466, 18.7645, 11.0928



19.3488, 18.7645, 40.1382



19.2992, 18.7645, 8.5158

Square

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



19.3488, 18.7645, 40.1382



23.8015, 18.7645, 16.4970



16.4025, 18.7645, 8.5360



12.9597, 18.7645, 24.9462

Rectangle

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



19.3488, 18.7645, 40.1382



23.4190, 18.7645, 27.9081



16.4025, 18.7645, 8.5360



13.2178, 18.7645, 14.4256

Sweetspot

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



19.3495, 18.7652, 40.1386



55.1574, 57.1525, 75.3495



25.8069, 33.6832, 36.1155



11.7731, 12.1754, 16.3817



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.



19.3495, 18.7652, 40.1386



29.7542, 27.8112, 71.0250



20.1976, 16.9341, 39.7405



7.2579, 7.5528, 9.4936



5.8500, 3.1602, 28.2771



0.1775, 0.1473, 0.6997

Inverse Universe

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



24.5831, 19.6444, 19.6363



40.5766, 30.0610, 28.5323



29.3725, 35.9153, 18.4818



7.5948, 7.5678, 8.1834



12.4534, 6.3901, 1.9332



0.3208, 0.1626, 0.1406

Previews

White Background



This preview shows how the XYZ color 19.3488, 18.7645, 40.1382 looks on a white background.

Color Contrast Check

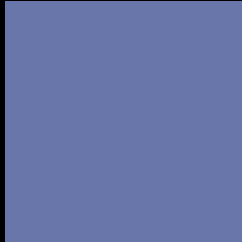
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3488, 18.7645, 40.1382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

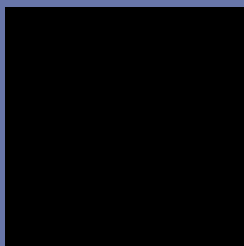
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

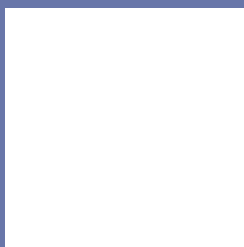
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.3488, 18.7645, 40.1382

Background



This preview shows how black text looks on a background with the XYZ color 19.3488, 18.7645, 40.1382.



This preview shows how white text looks on a background with the XYZ color 19.3488, 18.7645,

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

19.3488, 18.7645, 40.1382

Protanopia

19.3488, 18.7645, 40.1382

Deuteranopia

19.2377, 18.8830, 40.1670



Tritanopia

16.5307, 18.9033, 25.6991

Trichromacy



Original Color

19.3488, 18.7645, 40.1382

Protanomaly

19.3488, 18.7645, 40.1382

Deuteranomaly

19.3518, 18.9418, 40.1723

Tritanomaly

17.3716, 18.6783, 30.2935

Monochromacy



Original Color

19.3488, 18.7645, 40.1382

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.1237, 18.6060, 26.6809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3488, 18.7645, 40.1382 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(104, 118, 169)` looks like.

```
.text, #text, p{  
    color:rgb(104, 118, 169)  
}
```

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(104, 118, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 118, 169) }
```

Border

The CSS property to change the border of an element to XYZ 19.3488, 18.7645, 40.1382 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(104, 118, 169) }
```


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

```
.border{ border-color:rgb(104, 118, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 118, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 118, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 118, 169);  
box-shadow:4px 4px 4px 4px rgb(104, 118,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3488, 18.7645, 40.1382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 118, 169) }
```

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

```
.background{ background-color: rgb(104,  
118, 169) }
```

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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