

Converting Colors

XYZ(19.1964, 18.7766, 43.7006)

Have a look what the booklet for
XYZ(19.1964, 18.7766, 43.7006)
contains.

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Color

**XYZ(19.1526, 18.7611,
43.6861)**

Conversions

Conversions Part 1

Format	Color
Hex	5F77B0
RGB	95, 119, 176
RGB Percent	37%, 47%, 69%
CMY	0.6274, 0.5333, 0.3098
CMYK	0.46, 0.32, 0.00, 0.31
HSL	222°, 34%, 53%
HSV	222°, 46%, 69%
XYZ	19.1526, 18.7611, 43.6861
YIQ	118.3220, -32.6010, 12.6390

Conversions

Conversions Part 2

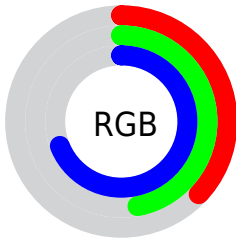
Format	Color
R _Y B	95, 114, 176
Decimal	6256560
CIE Lab	50.41, 6.90, -33.02
CIE LCh	50, 33.730, 281.803
Yxy	18.7611, 0.2347, 0.2299
Android (android.graphics.Color)	4284446640 (0xFF5F77B0)
YUV	118.3220, 28.4353, -20.4534
Hunter-Lab	43.3141, 3.1294, -29.4794

Details

The XYZ color **19.1526, 18.7611, 43.6861** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.1990, 32.5138, 15.4588**, and the grayscale version is **17.2423, 18.1402, 19.7547**.

A 20% lighter version of the original color is **41.5228, 41.3416, 82.1352**, and **6.7428, 6.4080, 19.6204** is the 20% darker color. If you saturate the color by 10%, you get **16.1476, 15.1648, 43.1507**, and if you desaturate by 10%, it is **22.7641, 22.9559, 44.3058**.

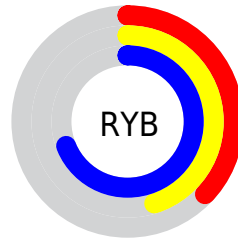
Distribution



Red (37%)

Green (47%)

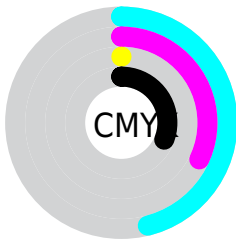
Blue (69%)



Red (37%)

Yellow (45%)

Blue (69%)

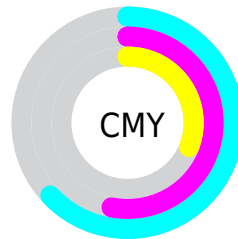


Cyan (46%)

Magenta (32%)

Yellow (0%)

Black (31%)



Cyan (63%)

Magenta (53%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1526, 18.7611, 43.6861 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 19.1526, 18.7611, 43.6861 by changing the saturation by 10% instead.

■ 19.1526, 18.7611,
43.6861

■ 19.1526, 18.7611,
43.6861

240.2119,
245.1267, 377.4296

■ 11.8853, 11.4978,
30.0884

■ 41.5067, 41.3300,
82.0426

■ 6.7372, 6.4027,
19.6531

■ 57.3241, 57.4044,
107.6386

■ 3.3432, 3.0915,
11.9616

■ 76.7223, 77.1846,
138.0710

■ 1.3377, 1.1797,
6.5953

■ 100.0666,
101.0550, 173.7585

■ 0.2112, 0.0450,
3.1357

127.7224,
129.4001, 215.1195

■ 0.0000, 0.0000,
1.1644

160.0549,

■ 0.0000, 0.0000,

162.6041, 262.5727

0.0000

197.4296,
201.0515, 316.5365

■ 19.1526, 18.7611,
43.6861

■ 19.1526, 18.7611,
43.6861

■ 16.1476, 15.1648,
43.1507

■ 22.7641, 22.9559,
44.3058

■ 13.7114, 12.1357,
42.6944

■ 27.0126, 27.7743,
45.0119

■ 11.8054, 9.6425,
42.3136

■ 31.9289, 33.2423,
45.8082

■ 10.3843, 7.6493,
42.0038

■ 37.5410, 39.3837,
46.6979

■ 9.3910, 6.1134,
41.7597

■ 43.8754, 46.2213,
47.6838

■ 9.0711, 5.6037,
41.6782

■ 50.9572, 53.7765,
48.7688

■ 58.8102, 62.0698,
49.9557

■ 67.4572, 71.1211,
51.2470

■ 76.9199, 80.9493,
52.6453

Harmonies

Analogous

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



15.9347, 18.7611, 42.8266



19.1526, 18.7611, 43.6861



22.3726, 18.7611, 37.0579

Triad

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



19.1526, 18.7611, 43.6861



22.9560, 18.7611, 10.6019



12.4886, 18.7611, 15.2923

Complementary

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



19.1526, 18.7611, 43.6861



31.1990, 32.5138, 15.4588

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.



13.9513, 18.7611, 9.7085



19.1526, 18.7611, 43.6861



19.8739, 18.7611, 7.6288

Square

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



19.1526, 18.7611, 43.6861



24.7417, 18.7611, 16.9529



16.5733, 18.7611, 7.3617



12.3456, 18.7611, 24.3474

Rectangle

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



19.1526, 18.7611, 43.6861



23.9847, 18.7611, 30.2010



16.5733, 18.7611, 7.3617



12.8331, 18.7611, 13.0293

Sweetspot

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



19.1533, 18.7618, 43.6866



59.6218, 62.1776, 83.3544



25.8882, 35.7413, 35.1121



12.4805, 12.9896, 17.9938



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.1533, 18.7618, 43.6866



29.3147, 27.5386, 78.2657



18.5102, 14.7124, 42.9388



8.2404, 8.6270, 10.7372



6.7009, 4.2021, 30.5949



0.2629, 0.2364, 0.9800

Inverse Universe

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



25.3271, 18.7472, 19.7370



42.1340, 28.4091, 28.3349



32.0487, 39.3303, 16.7297



8.5965, 8.5453, 9.3737



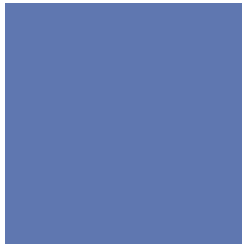
13.6169, 6.9643, 3.1428



0.4547, 0.2296, 0.2373

Previews

White Background



This preview shows how the XYZ color 19.1526, 18.7611, 43.6861 looks on a white background.

Color Contrast Check

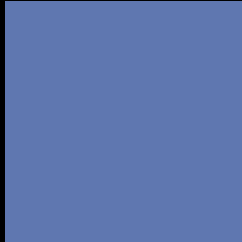
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1526, 18.7611, 43.6861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

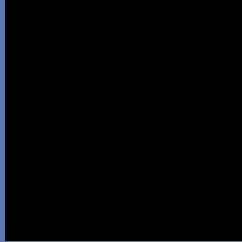
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

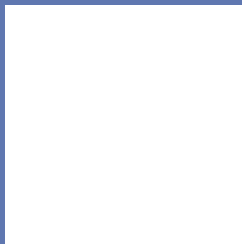
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.1526, 18.7611, 43.6861

Background



This preview shows how black text looks on a background with the XYZ color 19.1526, 18.7611, 43.6861.

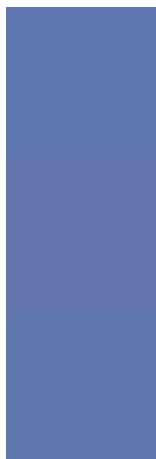


This preview shows how white text looks on a background with the XYZ color 19.1526, 18.7611,

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

19.1526, 18.7611, 43.6861

Protanopia

19.5831, 18.8187, 43.1577

Deuteranopia

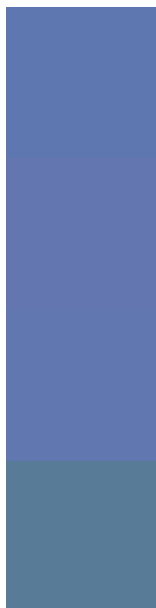
19.2572, 18.8150, 43.6910



Tritanopia

15.7609, 18.8697, 26.4784

Trichromacy



Original Color

19.1526, 18.7611, 43.6861

Protanomaly

19.3619, 18.7047, 43.1473

Deuteranomaly

19.2572, 18.8150, 43.6910

Tritanomaly

16.8181, 18.7244, 32.0059

Monochromacy



Original Color

19.1526, 18.7611, 43.6861

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.5690, 18.1359, 27.0007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1526, 18.7611, 43.6861 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(95, 119, 176)` looks like.

```
.text, #text, p{  
    color:rgb(95, 119, 176)  
}
```

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(95, 119, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 119, 176) }
```

Border

The CSS property to change the border of an element to XYZ 19.1526, 18.7611, 43.6861 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(95, 119, 176) }
```


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

```
.border{ border-color:rgb(95, 119, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 119, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 119, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 119, 176);  
box-shadow:4px 4px 4px 4px rgb(95, 119,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1526, 18.7611, 43.6861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 119, 176) }
```

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

```
.background{ background-color: rgb(95, 119,  
176) }
```

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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