

Converting Colors

XYZ(18.3893, 17.4868, 42.4501)

Have a look what the booklet for
XYZ(18.3893, 17.4868, 42.4501)
contains.

XYZ(18.3766, 17.5235, 42.4582)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.3766, 17.5235,
42.4582)**

Conversions

Conversions Part 1

Format	Color
Hex	5F72AE
RGB	95, 114, 174
RGB Percent	37%, 45%, 68%
CMY	0.6274, 0.5529, 0.3176
CMYK	0.45, 0.34, 0.00, 0.32
HSL	226°, 33%, 53%
HSV	226°, 45%, 68%
XYZ	18.3766, 17.5235, 42.4582
YIQ	115.1590, -30.5840, 14.6320

Conversions

Conversions Part 2

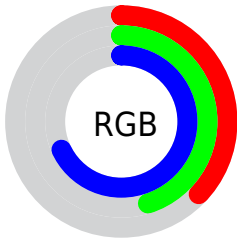
Format	Color
RYB	95, 110, 174
Decimal	6255278
CIELab	48.91, 9.32, -34.20
CIELCh	49, 35.445, 285.250
Yxy	17.5235, 0.2345, 0.2236
Android (android.graphics.Color)	4284445358 (0xFF5F72AE)
YUV	115.1590, 29.0086, -17.6794
Hunter-Lab	41.8611, 5.1028, -30.8330

Details

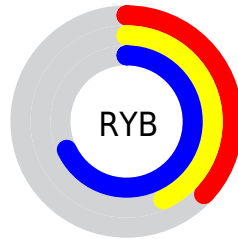
The XYZ color **18.3766, 17.5235, 42.4582** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.2432, 33.2685, 15.6021**, and the grayscale version is **16.2658, 17.1129, 18.6360**.

A 20% lighter version of the original color is **40.3136, 39.3752, 80.3383**, and **6.3139, 5.7483, 18.8659** is the 20% darker color. If you saturate the color by 10%, you get **15.3825, 13.9249, 41.9218**, and if you desaturate by 10%, it is **21.9911, 21.7622, 43.0862**.

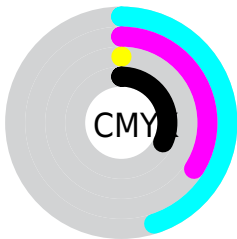
Distribution



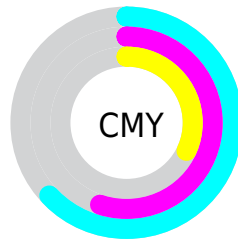
- Red (37%)
- Green (45%)
- Blue (68%)



- Red (37%)
- Yellow (43%)
- Blue (68%)



- Cyan (45%)
- Magenta (34%)
- Yellow (0%)
- Black (32%)



- Cyan (63%)
- Magenta (55%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3766, 17.5235, 42.4582 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 18.3766, 17.5235, 42.4582 by changing the saturation by 10% instead.

■ 18.3766, 17.5235,
42.4582

■ 18.3766, 17.5235,
42.4582

235.9900,
238.1714, 372.2344

■ 11.3220, 10.6084,
29.1320

■ 40.2031, 39.2237,
80.1702

■ 6.3528, 5.8042,
18.9343

■ 55.7057, 54.7776,
105.3930

■ 3.1034, 2.7264,
11.4465

■ 74.7550, 73.9799,
135.4185

■ 1.2087, 0.9906,
6.2500

■ 97.7164, 97.2150,
170.6652

■ 0.1132, 0.0000,
2.9265

124.9553,
124.8673, 211.5516

■ 0.0000, 0.0000,
1.0572

156.8369,

■ 0.0000, 0.0000,

157.3212, 258.4962

0.0000

193.7267,
194.9611, 311.9176

■ 18.3766, 17.5235,
42.4582

■ 18.3766, 17.5235,
42.4582

■ 15.3825, 13.9249,
41.9218

■ 21.9911, 21.7622,
43.0862

■ 12.9704, 10.9322,
41.4712

■ 26.2573, 26.6692,
43.8085

■ 11.1007, 8.5105,
41.1023

■ 31.2068, 32.2731,
44.6293

■ 9.7272, 6.6203,
40.8099

■ 36.8685, 38.6004,
45.5522

■ 8.7941, 5.2154,
40.5879

■ 43.2696, 45.6760,
46.5805

■ 8.4626, 4.7010,
40.5061

■ 50.4357, 53.5238,
47.7176

■ 58.3914, 62.1663,
48.9665

■ 67.1600, 71.6254,
50.3301

■ 76.7639, 81.9220,
51.8114

Harmonies

Analogous

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



15.0954, 17.5235, 42.5280



18.3766, 17.5235, 42.4582



21.5675, 17.5235, 34.8996

Triad

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



18.3766, 17.5235, 42.4582



21.5211, 17.5235, 8.8843



11.2536, 17.5235, 14.8268

Complementary

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



18.3766, 17.5235, 42.4582



31.2432, 33.2685, 15.6021

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.



12.5525, 17.5235, 8.9517



18.3766, 17.5235, 42.4582



18.3197, 17.5235, 6.3703

Square

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



18.3766, 17.5235, 42.4582



23.5393, 17.5235, 14.6980



15.0455, 17.5235, 6.3900



11.2646, 17.5235, 24.2566

Rectangle

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



18.3766, 17.5235, 42.4582



23.0906, 17.5235, 27.7204



15.0455, 17.5235, 6.3900



11.5431, 17.5235, 12.4524

Sweetspot

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



18.3772, 17.5241, 42.4586



57.7227, 59.7950, 81.1362



25.7095, 35.0469, 36.0914



12.3755, 12.7796, 17.9588



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.



18.3772, 17.5241, 42.4586



28.1205, 25.5245, 76.0815



18.7703, 14.8692, 41.9254



7.7295, 8.0584, 10.1007



6.1777, 3.4893, 29.3924



0.2141, 0.1815, 0.8317

Inverse Universe

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



24.5856, 18.3987, 18.1756



40.9472, 28.0211, 25.7573



30.5762, 37.9933, 16.5492



8.0813, 8.0458, 8.7388



12.9819, 6.6553, 2.2841



0.3824, 0.1937, 0.1757

Previews

White Background



This preview shows how the XYZ color 18.3766, 17.5235, 42.4582 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 18.3766, 17.5235, 42.4582 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

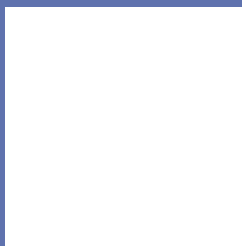
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3766, 17.5235, 42.4582

Background



This preview shows how black text looks on a background with the XYZ color 18.3766, 17.5235, 42.4582.



This preview shows how white text looks on a background with the XYZ color 18.3766, 17.5235,

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

18.3766, 17.5235, 42.4582

Protanopia

18.3766, 17.5235, 42.4582

Deuteranopia

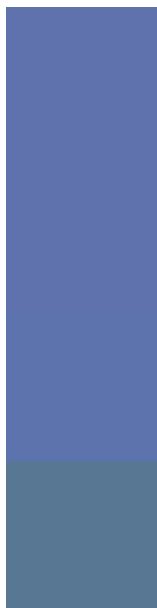
17.9872, 17.4911, 42.4725



Tritanopia

14.6917, 17.4240, 24.4186

Trichromacy



Original Color

18.3766, 17.5235, 42.4582

Protanomaly

18.3766, 17.5235, 42.4582

Deuteranomaly

18.1843, 17.5928, 42.4817

Tritanomaly

15.7938, 17.3265, 30.1157

Monochromacy



Original Color

18.3766, 17.5235, 42.4582

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.7590, 17.2272, 25.7344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3766, 17.5235, 42.4582 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, 114, 174)` looks like.

```
.text, #text, p{  
  color:rgb(95, 114, 174)  
}
```

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, 114, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 114, 174) }
```

Border

The CSS property to change the border of an element to XYZ 18.3766, 17.5235, 42.4582 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, 114, 174) }
```


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

```
.border{ border-color:rgb(95, 114, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 114, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 114, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 114, 174);  
box-shadow:4px 4px 4px 4px rgb(95, 114,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3766, 17.5235, 42.4582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 114, 174) }
```

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

```
.background{ background-color: rgb(95, 114,  
174) }
```

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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