

Converting Colors

XYZ(19.3662, 17.5282, 42.9200)

Have a look what the booklet for
XYZ(19.3662, 17.5282, 42.9200)
contains.

XYZ(19.3662, 17.5282, 42.9200)	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(19.3662, 17.5282,
42.9200)**

Conversions

Conversions Part 1

Format	Color
Hex	6A6FAF
RGB	106, 111, 175
RGB Percent	42%, 44%, 69%
CMY	0.5843, 0.5647, 0.3137
CMYK	0.39, 0.37, 0.00, 0.31
HSL	236°, 30%, 55%
HSV	236°, 39%, 69%
XYZ	19.3662, 17.5282, 42.9200
YIQ	116.8010, -23.5240, 18.8440

Conversions

Conversions Part 2

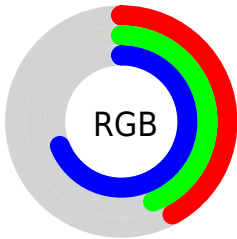
Format	Color
R _Y B	106, 111, 175
Decimal	6975407
CIE Lab	48.92, 14.40, -34.71
CIE LCh	49, 37.582, 292.526
Yxy	17.5282, 0.2426, 0.2196
Android (android.graphics.Color)	4285165487 (0xFF6A6FAF)
YUV	116.8010, 28.6921, -9.4725
Hunter-Lab	41.8667, 9.3017, -31.4750

Details

The XYZ color **19.3662, 17.5282, 42.9200** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.6562, 38.9050, 19.3195**, and the grayscale version is **16.7669, 17.6400, 19.2100**.

A 20% lighter version of the original color is **42.0182, 39.4375, 80.9989**, and **6.8676, 5.8562, 19.1808** is the 20% darker color. If you saturate the color by 10%, you get **15.8817, 13.3375, 42.2951**, and if you desaturate by 10%, it is **23.5982, 22.5827, 43.6729**.

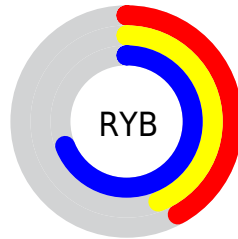
Distribution



Red (42%)

Green (44%)

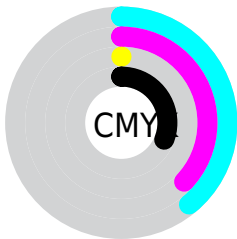
Blue (69%)



Red (42%)

Yellow (44%)

Blue (69%)

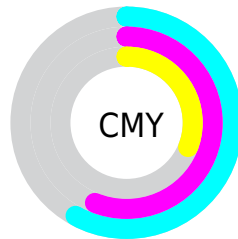


Cyan (39%)

Magenta (37%)

Yellow (0%)

Black (31%)



Cyan (58%)

Magenta (56%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3662, 17.5282, 42.9200 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 19.3662, 17.5282, 42.9200 by changing the saturation by 10% instead.

■ 19.3662, 17.5282,
42.9200

■ 19.3662, 17.5282,
42.9200

241.3625,
238.1981, 374.1942

■ 12.0408, 10.6118,
29.4914

■ 41.8641, 39.2317,
80.8752

■ 6.8438, 5.8064,
19.2041

■ 57.7672, 54.7876,
106.2389

■ 3.4101, 2.7277,
11.6396

■ 77.2603, 73.9922,
136.4180

■ 1.3742, 0.9913,
6.3792

■ 100.7087, 97.2298,
171.8311

■ 0.2377, 0.0000,
3.0045

128.4778,
124.8847, 212.8967

■ 0.0000, 0.0000,
1.0969

160.9329,

■ 0.0000, 0.0000,

157.3415, 260.0334

0.0000

198.4393,
194.9845, 313.6598

■ 19.3662, 17.5282,
42.9200

■ 19.3662, 17.5282,
42.9200

■ 15.8817, 13.3375,
42.2951

■ 23.5982, 22.5827,
43.6729

■ 13.0994, 9.9603,
41.7899

■ 28.6157, 28.5435,
44.5590

■ 10.9720, 7.3443,
41.3971

■ 34.4564, 35.4527,
45.5848

■ 9.4454, 5.4300,
41.1080

■ 41.1551, 43.3493,
46.7559

■ 8.4571, 4.1492,
40.9129

■ 48.7444, 52.2700,
48.0778

■ 7.9023, 3.4053,
40.7985

■ 57.2554, 62.2495,
49.5554

■ 7.8778, 3.3748,
40.7940

■ 66.7177, 73.3211,
51.1938

■ 77.1593, 85.5166,
52.9974

■ 84.7379, 95.8752,
54.5974

Harmonies

Analogous

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



15.8020, 17.5282, 45.1962



19.3662, 17.5282, 42.9200



22.5754, 17.5282, 33.3336

Triad

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



19.3662, 17.5282, 42.9200



21.0868, 17.5282, 7.5326



10.8514, 17.5282, 16.6921

Complementary

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



19.3662, 17.5282, 42.9200



34.6562, 38.9050, 19.3195

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.



11.8804, 17.5282, 9.6156



19.3662, 17.5282, 42.9200



17.5486, 17.5282, 5.6656

Square

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



19.3662, 17.5282, 42.9200



23.6616, 17.5282, 12.6271



14.2185, 17.5282, 6.2656



11.1969, 17.5282, 27.4380

Rectangle

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



19.3662, 17.5282, 42.9200



23.9182, 17.5282, 25.4595



14.2185, 17.5282, 6.2656



11.0424, 17.5282, 13.8750

Sweetspot

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



19.3668, 17.5288, 42.9204



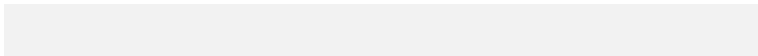
58.6495, 59.8788, 81.1035



28.4594, 36.5986, 43.2240



12.7341, 12.9524, 17.9732



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.



19.3668, 17.5288, 42.9204



29.3639, 24.9978, 75.9143



22.8442, 18.5343, 42.9312



7.6238, 7.8470, 10.0655



5.6599, 2.4536, 29.2198



0.1722, 0.0978, 0.8178

Inverse Universe

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



25.7031, 20.5706, 17.6553



42.3104, 31.3828, 24.2533



29.8307, 37.8350, 19.3673



8.0279, 8.0244, 8.4578



12.7205, 6.5507, 0.9075



0.3613, 0.1852, 0.0644

Previews

White Background



This preview shows how the XYZ color 19.3662, 17.5282, 42.9200 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 19.3662, 17.5282, 42.9200 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 19.3662, 17.5282, 42.9200

Background



This preview shows how black text looks on a background with the XYZ color 19.3662, 17.5282, 42.9200.

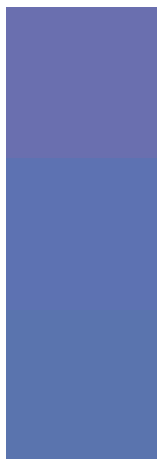


This preview shows how white text looks on a background with the XYZ color 19.3662, 17.5282,

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

19.3662, 17.5282, 42.9200

Protanopia

18.5674, 17.5761, 44.5334

Deuteranopia

18.1018, 17.7204, 42.5107



Tritanopia

15.4651, 17.4775, 23.6775

Trichromacy



Original Color

19.3662, 17.5282, 42.9200

Protanomaly

18.8779, 17.5812, 43.9935

Deuteranomaly

18.4812, 17.5774, 42.4631

Tritanomaly

16.6952, 17.4506, 29.6825

Monochromacy



Original Color

19.3662, 17.5282, 42.9200

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.5282, 17.6072, 26.5194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3662, 17.5282, 42.9200 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(106, 111, 175)` looks like.

```
.text, #text, p{  
    color:rgb(106, 111, 175)  
}
```

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(106, 111, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 111, 175) }
```

Border

The CSS property to change the border of an element to XYZ 19.3662, 17.5282, 42.9200 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(106, 111, 175) }
```


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

```
.border{ border-color:rgb(106, 111, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 111, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 111, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 111, 175);  
box-shadow:4px 4px 4px 4px rgb(106, 111,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3662, 17.5282, 42.9200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 111, 175) }
```

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

```
.background{ background-color: rgb(106,  
111, 175) }
```

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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