

Converting Colors

XYZ(19.8821, 22.6298, 37.5799)

Have a look what the booklet for
XYZ(19.8821, 22.6298, 37.5799)
contains.

XYZ(19.8399, 22.5441, 37.4882)	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(19.8399, 22.5441,
37.4882)**

Conversions

Conversions Part 1

Format	Color
Hex	5D88A2
RGB	93, 136, 162
RGB Percent	36%, 53%, 64%
CMY	0.6353, 0.4667, 0.3647
CMYK	0.43, 0.16, 0.00, 0.36
HSL	203°, 27%, 50%
HSV	203°, 43%, 64%
XYZ	19.8399, 22.5441, 37.4882
YIQ	126.1070, -33.9740, -1.0300

Conversions

Conversions Part 2

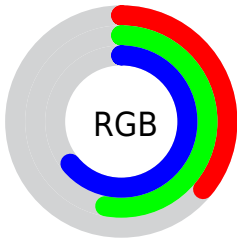
Format	Color
R _Y B	93, 119, 162
Decimal	6129826
CIE Lab	54.60, -7.71, -18.45
CIE LCh	55, 19.999, 247.326
Yxy	22.5441, 0.2484, 0.2823
Android (android.graphics.Color)	4284319906 (0xFF5D88A2)
YUV	126.1070, 17.6952, -29.0348
Hunter-Lab	47.4806, -8.5044, -13.5758

Details

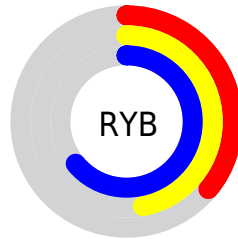
The XYZ color **19.8399, 22.5441, 37.4882** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **23.4733, 21.6657, 13.3012**, and the grayscale version is **19.8181, 20.8502, 22.7059**.

A 20% lighter version of the original color is **42.5760, 47.5159, 72.5731**, and **7.0567, 8.2528, 15.9729** is the 20% darker color. If you saturate the color by 10%, you get **17.5354, 20.1165, 37.1415**, and if you desaturate by 10%, it is **22.5422, 25.2505, 37.8686**.

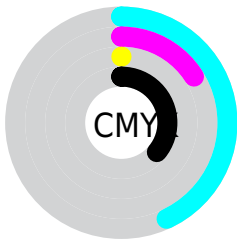
Distribution



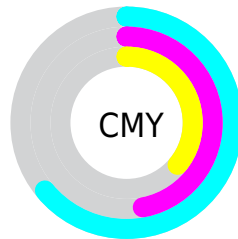
- Red (36%)
- Green (53%)
- Blue (64%)



- Red (36%)
- Yellow (47%)
- Blue (64%)



- Cyan (43%)
- Magenta (16%)
- Yellow (0%)
- Black (36%)



- Cyan (64%)
- Magenta (47%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8399, 22.5441, 37.4882 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 19.8399, 22.5441, 37.4882 by changing the saturation by 10% instead.

■ 19.8399, 22.5441,
37.4882

■ 19.8399, 22.5441,
37.4882

243.8972,
265.3747, 350.6515

■ 12.3863, 14.2572,
25.2870

■ 42.6546, 47.6436,
72.5177

■ 7.0814, 8.2998,
16.0700

■ 58.7464, 65.2251,
96.1830

■ 3.5598, 4.2874,
9.4188

■ 78.4483, 86.6736,
124.5068

■ 1.4563, 1.8356,
4.9148

■ 102.1257,
112.3735, 157.9076

■ 0.2958, 0.5092,
2.1395

130.1440,
142.7091, 196.8039

■ 0.0000, 0.0000,
0.6391

162.8684,

■ 0.0000, 0.0000,

178.0649, 241.6143

0.0000

200.6643,
218.8253, 292.7573

■ 19.8399, 22.5441,
37.4882

■ 19.8399, 22.5441,
37.4882

■ 17.5354, 20.1165,
37.1415

■ 22.5422, 25.2505,
37.8686

■ 15.6036, 17.9520,
36.8255

■ 25.6610, 28.2450,
38.2822

■ 14.0197, 16.0371,
36.5394

■ 29.2166, 31.5397,
38.7307

■ 12.7547, 14.3556,
36.2815

■ 33.2270, 35.1449,
39.2152

■ 11.7741, 12.8884,
36.0500

■ 37.7094, 39.0707,
39.7367

■ 11.1714, 11.9081,
35.8925

■ 42.6798, 43.3264,
40.2962

■ 48.1537, 47.9209,
40.8945

■ 54.1456, 52.8629,
41.5326

■ 60.6695, 58.1605,
42.2113

Harmonies

Analogous

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



18.2407, 22.5441, 32.6378



19.8399, 22.5441, 37.4882



21.9707, 22.5441, 38.6083

Triad

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



19.8399, 22.5441, 37.4882



25.8966, 22.5441, 23.0360



18.9667, 22.5441, 16.1280

Complementary

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



19.8399, 22.5441, 37.4882



23.4733, 21.6657, 13.3012

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.



20.8933, 22.5441, 14.3960



19.8399, 22.5441, 37.4882



24.9654, 22.5441, 17.9172

Square

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



19.8399, 22.5441, 37.4882



25.5667, 22.5441, 29.5122



23.0976, 22.5441, 14.9899



17.7611, 22.5441, 20.1719

Rectangle

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



19.8399, 22.5441, 37.4882



23.4259, 22.5441, 36.9405



23.0976, 22.5441, 14.9899



19.5461, 22.5441, 15.2906

Sweetspot

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



19.8406, 22.5450, 37.4887



52.5918, 56.8481, 70.2570



20.7229, 29.4835, 21.8324



11.4912, 12.4737, 15.7395



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.8406, 22.5450, 37.4887



32.0734, 36.7789, 67.4647



15.8074, 14.4785, 36.1443



7.0508, 7.5606, 8.9908



8.8434, 9.4661, 28.2908



0.2291, 0.2854, 0.6089

Inverse Universe

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



23.2591, 17.2883, 25.4045



39.3202, 26.7266, 41.6034



28.2351, 31.1892, 14.8885



7.2506, 7.1567, 8.3061



13.6092, 6.7997, 10.3986



0.3078, 0.1516, 0.3334

Previews

White Background



This preview shows how the XYZ color 19.8399, 22.5441, 37.4882 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 19.8399, 22.5441, 37.4882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

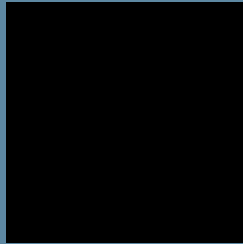
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.8399, 22.5441, 37.4882

Background



This preview shows how black text looks on a background with the XYZ color 19.8399, 22.5441, 37.4882.



This preview shows how white text looks on a background with the XYZ color 19.8399, 22.5441,

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

19.8399, 22.5441, 37.4882

Protanopia

22.2482, 22.4199, 35.0532

Deuteranopia

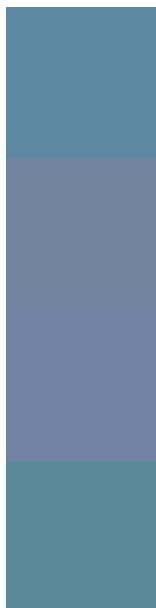
22.8775, 22.4787, 38.2550



Tritanopia

18.6331, 22.4707, 31.7890

Trichromacy



Original Color

19.8399, 22.5441, 37.4882

Protanomaly

21.3193, 22.5164, 36.0233

Deuteranomaly

21.5372, 22.3877, 37.8364

Tritanomaly

18.9948, 22.3981, 33.8940

Monochromacy



Original Color

19.8399, 22.5441, 37.4882

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.5823, 21.4068, 27.5259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8399, 22.5441, 37.4882 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(93, 136, 162) looks like.

```
.text, #text, p{  
    color:rgb(93, 136, 162)  
}
```

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(93, 136, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 136, 162) }
```

Border

The CSS property to change the border of an element to XYZ 19.8399, 22.5441, 37.4882 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(93, 136, 162) }
```


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

```
.border{ border-color:rgb(93, 136, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 136, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 136, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 136, 162);  
box-shadow:4px 4px 4px 4px rgb(93, 136,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8399, 22.5441, 37.4882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 136, 162) }
```

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

```
.background{ background-color: rgb(93, 136,  
162) }
```

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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