

Converting Colors

XYZ(19.9697, 22.3717, 38.8630)

Have a look what the booklet for
XYZ(19.9697, 22.3717, 38.8630)
contains.

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Color

**XYZ(19.9697, 22.3717,
38.8630)**

Conversions

Conversions Part 1

Format	Color
Hex	5D87A5
RGB	93, 135, 165
RGB Percent	36%, 53%, 65%
CMY	0.6353, 0.4706, 0.3529
CMYK	0.44, 0.18, 0.00, 0.35
HSL	205°, 29%, 51%
HSV	205°, 44%, 65%
XYZ	19.9697, 22.3717, 38.8630
YIQ	125.8620, -34.6620, 0.4260

Conversions

Conversions Part 2

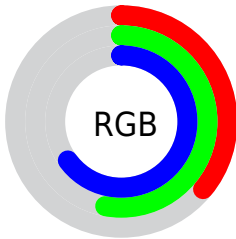
Format	Color
R _Y B	93, 120, 165
Decimal	6129573
CIE _{Lab}	54.42, -6.29, -20.46
CIE _{LCh}	54, 21.401, 252.919
Y _{xy}	22.3717, 0.2459, 0.2755
Android (android.graphics.Color)	4284319653 (0xFF5D87A5)
YUV	125.8620, 19.2950, -28.8200
Hunter-Lab	47.2987, -7.4094, -15.6065

Details

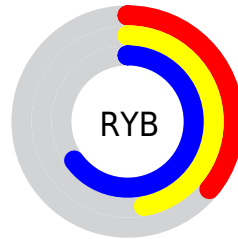
The XYZ color **19.9697, 22.3717, 38.8630** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **24.5763, 22.9562, 13.4923**, and the grayscale version is **19.7299, 20.7574, 22.6048**.

A 20% lighter version of the original color is **42.7555, 47.2447, 74.5758**, and **7.1042, 8.1404, 16.8196** is the 20% darker color. If you saturate the color by 10%, you get **17.5480, 19.7454, 38.4841**, and if you desaturate by 10%, it is **22.8151, 25.3094, 39.2805**.

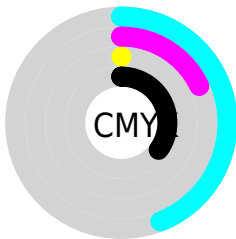
Distribution



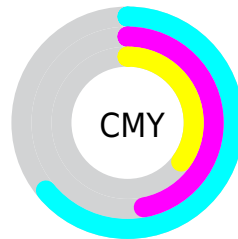
- Red (36%)
- Green (53%)
- Blue (65%)



- Red (36%)
- Yellow (47%)
- Blue (65%)



- Cyan (44%)
- Magenta (18%)
- Yellow (0%)
- Black (35%)



- Cyan (64%)
- Magenta (47%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9697, 22.3717, 38.8630 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 19.9697, 22.3717, 38.8630 by changing the saturation by 10% instead.

■ 19.9697, 22.3717,
38.8630

■ 19.9697, 22.3717,
38.8630

244.5877,
264.4813, 356.7162

■ 12.4812, 14.1303,
26.3462

■ 42.8707, 47.3596,
74.6470

■ 7.1468, 8.2113,
16.8547

■ 59.0139, 64.8748,
98.7513

■ 3.6012, 4.2305,
9.9701

■ 78.7726, 86.2501,
127.5551

■ 1.4791, 1.8033,
5.2738

■ 102.5124,
111.8699, 161.4770

■ 0.3115, 0.4892,
2.3472

130.5984,
142.1185, 200.9355

■ 0.0000, 0.0000,
0.7575

163.3960,

■ 0.0000, 0.0000,

177.3803, 246.3492

0.0000

201.2707,
218.0398, 298.1366

■ 19.9697, 22.3717,
38.8630

■ 19.9697, 22.3717,
38.8630

■ 17.5480, 19.7454,
38.4841

■ 22.8151, 25.3094,
39.2805

■ 15.5234, 17.4136,
38.1407

■ 26.1046, 28.5691,
39.7363

■ 13.8691, 15.3611,
37.8318

■ 29.8595, 32.1640,
40.2323

■ 12.5539, 13.5702,
37.5554

■ 34.0993, 36.1058,
40.7696

■ 11.5407, 12.0197,
37.3095

■ 38.8423, 40.4054,
41.3496

■ 10.9975, 11.1284,
37.1661

■ 44.1056, 45.0731,
41.9731

■ 49.9056, 50.1190,
42.6414

■ 56.2580, 55.5525,
43.3553

■ 63.1778, 61.3828,
44.1160

Harmonies

Analogous

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



18.1370, 22.3717, 34.2255



19.9697, 22.3717, 38.8630



22.2851, 22.3717, 39.1946

Triad

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



19.9697, 22.3717, 38.8630



25.9557, 22.3717, 21.5912



18.3456, 22.3717, 16.0912

Complementary

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



19.9697, 22.3717, 38.8630



24.5763, 22.9562, 13.4923

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.



20.2739, 22.3717, 13.8374



19.9697, 22.3717, 38.8630



24.7304, 22.3717, 16.5982

Square

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



19.9697, 22.3717, 38.8630



25.8592, 22.3717, 28.3418



22.6123, 22.3717, 14.0042



17.2476, 22.3717, 20.7680

Rectangle

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



19.9697, 22.3717, 38.8630



23.8028, 22.3717, 36.8508



22.6123, 22.3717, 14.0042



18.9118, 22.3717, 15.0671

Sweetspot

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



19.9704, 22.3726, 38.8635



53.7600, 57.8708, 72.0891



21.4704, 30.6382, 23.1303



11.4254, 12.3422, 15.7176



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.



19.9704, 22.3726, 38.8635



31.6996, 35.6660, 68.9658



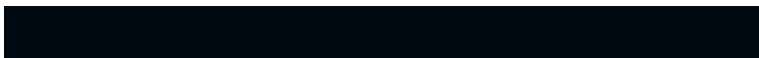
15.8828, 14.1973, 37.5010



7.0275, 7.5141, 8.9830



8.3697, 8.5189, 28.1330



0.2210, 0.2693, 0.6062

Inverse Universe

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



23.8052, 17.5780, 25.0607



39.6703, 26.8095, 40.0275



29.6861, 33.1757, 15.1956



7.2389, 7.1520, 8.2443



13.3701, 6.7041, 9.1397



0.3037, 0.1500, 0.3120

Previews

White Background



This preview shows how the XYZ color 19.9697, 22.3717, 38.8630 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 19.9697, 22.3717, 38.8630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

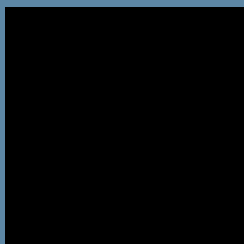
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

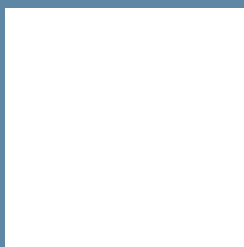
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9697, 22.3717, 38.8630

Background



This preview shows how black text looks on a background with the XYZ color 19.9697, 22.3717, 38.8630.

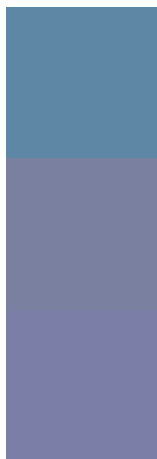


This preview shows how white text looks on a background with the XYZ color 19.9697, 22.3717,

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

19.9697, 22.3717, 38.8630

Protanopia

22.0904, 22.1140, 36.3618

Deuteranopia

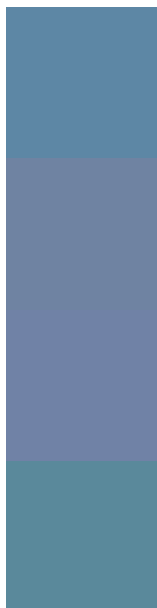
22.7328, 22.1797, 39.6422



Tritanopia

18.5378, 22.4216, 31.7845

Trichromacy



Original Color

19.9697, 22.3717, 38.8630

Protanomaly

21.1934, 22.2207, 37.3544

Deuteranomaly

21.5477, 22.1632, 39.2186

Tritanomaly

19.0785, 22.4315, 34.3345

Monochromacy



Original Color

19.9697, 22.3717, 38.8630

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.5233, 21.1714, 27.8684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9697, 22.3717, 38.8630 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, 135, 165) looks like.

```
.text, #text, p{  
    color:rgb(93, 135, 165)  
}
```

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, 135, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 135, 165) }
```

Border

The CSS property to change the border of an element to XYZ 19.9697, 22.3717, 38.8630 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, 135, 165) }
```


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

```
.border{ border-color:rgb(93, 135, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 135, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 135, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 135, 165);  
box-shadow:4px 4px 4px 4px rgb(93, 135,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9697, 22.3717, 38.8630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 135, 165) }
```

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

```
.background{ background-color: rgb(93, 135,  
165) }
```

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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