

Converting Colors

XYZ(19.5980, 22.5741, 32.7648)

Have a look what the booklet for
XYZ(19.5980, 22.5741, 32.7648)
contains.

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Color

**XYZ(19.5357, 22.4953,
32.5906)**

Conversions

Conversions Part 1

Format	Color
Hex	638897
RGB	99, 136, 151
RGB Percent	39%, 53%, 59%
CMY	0.6118, 0.4667, 0.4078
CMYK	0.34, 0.10, 0.00, 0.41
HSL	197°, 21%, 49%
HSV	197°, 34%, 59%
XYZ	19.5357, 22.4953, 32.5906
YIQ	126.6470, -26.8670, -3.1790

Conversions

Conversions Part 2

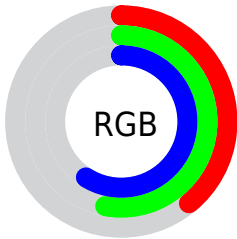
Format	Color
R_{YB}	99, 121, 151
Decimal	6523031
CIE _{Lab}	54.55, -9.01, -12.15
CIE _{LCh}	55, 15.128, 233.430
Yxy	22.4953, 0.2618, 0.3015
Android (android.graphics.Color)	4284713111 (0xFF638897)
YUV	126.6470, 12.0060, -24.2464
Hunter-Lab	47.4292, -9.4784, -7.5402

Details

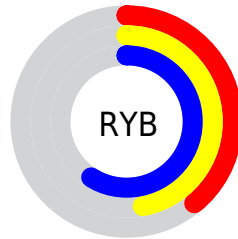
The XYZ color **19.5357, 22.4953, 32.5906** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.0325, 19.5153, 14.4634**, and the grayscale version is **20.0192, 21.0618, 22.9363**.

A 20% lighter version of the original color is **41.9795, 47.3823, 64.6907**, and **6.8947, 8.2286, 13.2815** is the 20% darker color. If you saturate the color by 10%, you get **17.4369, 20.5216, 32.3206**, and if you desaturate by 10%, it is **21.9693, 24.6797, 32.8843**.

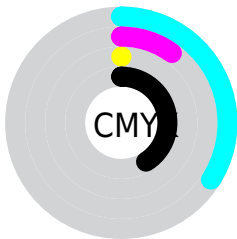
Distribution



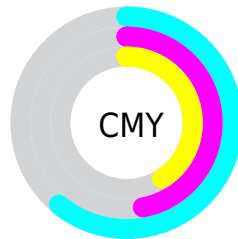
- Red (39%)
- Green (53%)
- Blue (59%)



- Red (39%)
- Yellow (47%)
- Blue (59%)



- Cyan (34%)
- Magenta (10%)
- Yellow (0%)
- Black (41%)



- Cyan (61%)
- Magenta (47%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5357, 22.4953, 32.5906 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 19.5357, 22.4953, 32.5906 by changing the saturation by 10% instead.

■ 19.5357, 22.4953,
32.5906

■ 19.5357, 22.4953,
32.5906

242.2721,
265.1220, 328.3762

■ 12.1643, 14.2213,
21.5445

■ 42.1473, 47.5633,
64.8445

■ 6.9287, 8.2747,
13.3275

■ 58.1182, 65.1260,
86.8892

■ 3.4635, 4.2712,
7.5210

■ 77.6862, 86.5538,
113.4373

■ 1.4033, 1.8264,
3.7067

■ 101.2169,
112.2310, 144.9073

■ 0.2586, 0.5036,
1.4659

129.0754,
142.5420, 181.7176

■ 0.0000, 0.0000,
0.1923

161.6273,

■ 0.0000, 0.0000,

177.8713, 224.2868

0.0000

199.2377,
218.6032, 273.0335

■ 19.5357, 22.4953,
32.5906

■ 19.5357, 22.4953,
32.5906

■ 17.4369, 20.5216,
32.3206

■ 21.9693, 24.6797,
32.8843

■ 15.6533, 18.7465,
32.0720

■ 24.7518, 27.0808,
33.2012

■ 14.1664, 17.1604,
31.8442

■ 27.8990, 29.7078,
33.5423

■ 12.9547, 15.7519,
31.6362

■ 31.4250, 32.5684,
33.9086

■ 11.9936, 14.5079,
31.4468

■ 35.3433, 35.6698,
34.3008

■ 11.2530, 13.4122,
31.2743

■ 39.6666, 39.0191,
34.7194

■ 10.8902, 12.8429,
31.1835

■ 44.4069, 42.6229,
35.1651

■ 49.5758, 46.4875,
35.6386

■ 55.1846, 50.6190,
36.1405

Harmonies

Analogous

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



18.5849, 22.4953, 28.3100



19.5357, 22.4953, 32.5906



21.0181, 22.4953, 34.7401

Triad

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



19.5357, 22.4953, 32.5906



24.7104, 22.4953, 25.5542



20.1372, 22.4953, 17.0288

Complementary

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



19.5357, 22.4953, 32.5906



21.0325, 19.5153, 14.4634

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.



21.7483, 22.4953, 16.4904



19.5357, 22.4953, 32.5906



24.4447, 22.4953, 21.0365

Square

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



19.5357, 22.4953, 32.5906



24.0476, 22.4953, 30.3519



23.3392, 22.4953, 17.8627



18.9194, 22.4953, 19.4422

Rectangle

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



19.5357, 22.4953, 32.5906



22.1308, 22.4953, 34.5010



23.3392, 22.4953, 17.8627



20.6485, 22.4953, 16.6367

Sweetspot

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



19.5364, 22.4962, 32.5911



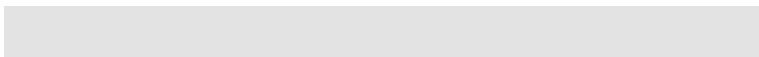
46.6328, 50.4401, 59.7118



19.2349, 25.9953, 19.8446



10.4361, 11.3278, 13.5539



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



19.5364, 22.4962, 32.5911



32.1541, 37.6406, 58.0043



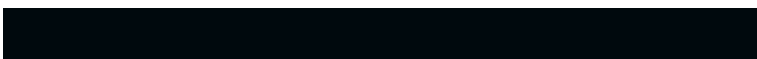
16.3369, 16.0972, 31.5246



6.2340, 6.7253, 7.8985



9.2897, 10.9760, 26.5367



0.1695, 0.2254, 0.4069

Inverse Universe

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



21.6689, 17.2813, 25.4870



36.6391, 27.2603, 42.9313



24.3543, 26.1591, 15.5707



6.3852, 6.2932, 7.4087



13.1477, 6.5133, 12.5690



0.2120, 0.1036, 0.2693

Previews

White Background



This preview shows how the XYZ color 19.5357, 22.4953, 32.5906 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 19.5357, 22.4953, 32.5906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

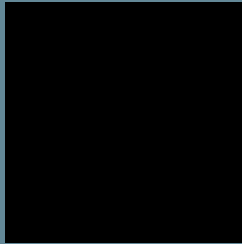
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.5357, 22.4953, 32.5906

Background



This preview shows how black text looks on a background with the XYZ color 19.5357, 22.4953, 32.5906.



This preview shows how white text looks on a background with the XYZ color 19.5357, 22.4953,

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

19.5357, 22.4953, 32.5906

Protanopia

21.8691, 22.3191, 30.7592

Deuteranopia

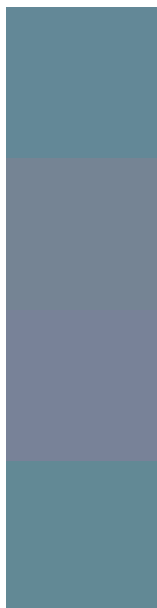
22.8549, 22.3842, 33.2530



Tritanopia

19.3280, 22.6261, 31.3656

Trichromacy



Original Color

19.5357, 22.4953, 32.5906

Protanomaly

20.9327, 22.4226, 31.2417

Deuteranomaly

21.3959, 22.2253, 32.8680

Tritanomaly

19.4075, 22.6579, 31.7843

Monochromacy



Original Color

19.5357, 22.4953, 32.5906

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.7627, 21.5247, 26.4056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5357, 22.4953, 32.5906 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(99, 136, 151) looks like.

```
.text, #text, p{  
    color:rgb(99, 136, 151)  
}
```

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(99, 136, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 136, 151) }
```

Border

The CSS property to change the border of an element to XYZ 19.5357, 22.4953, 32.5906 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(99, 136, 151) }
```


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

```
.border{ border-color:rgb(99, 136, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 136, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 136, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 136, 151);  
box-shadow:4px 4px 4px 4px rgb(99, 136,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5357, 22.4953, 32.5906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 136, 151) }
```

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

```
.background{ background-color: rgb(99, 136,  
151) }
```

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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