

Converting Colors

XYZ(19.8238, 25.3112, 39.3094)

Have a look what the booklet for
XYZ(19.8238, 25.3112, 39.3094)
contains.

XYZ(19.9229, 25.4404, 39.4578)	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(19.9229, 25.4404,
39.4578)**

Conversions

Conversions Part 1

Format	Color
Hex	4495A5
RGB	68, 149, 165
RGB Percent	27%, 58%, 65%
CMY	0.7333, 0.4157, 0.3529
CMYK	0.59, 0.10, 0.00, 0.35
HSL	190°, 42%, 46%
HSV	190°, 59%, 65%
XYZ	19.9229, 25.4404, 39.4578
YIQ	126.6050, -53.4120, -12.1960

Conversions

Conversions Part 2

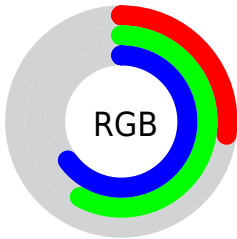
Format	Color
RYB	68, 112, 165
Decimal	4494757
CIELab	57.50, -19.81, -15.86
CIElCh	58, 25.375, 218.689
Yxy	25.4404, 0.2349, 0.2999
Android (android.graphics.Color)	4282684837 (0xFF4495A5)
YUV	126.6050, 18.9287, -51.3966
Hunter-Lab	50.4385, -17.7609, -11.0754

Details

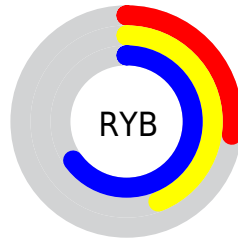
The XYZ color **19.9229, 25.4404, 39.4578** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.7315, 14.7583, 7.2784**, and the grayscale version is **19.9887, 21.0297, 22.9013**.

A 20% lighter version of the original color is **42.7317, 52.2392, 75.5411**, and **7.3483, 9.9276, 17.1517** is the 20% darker color. If you saturate the color by 10%, you get **18.5047, 24.0780, 39.2700**, and if you desaturate by 10%, it is **21.6767, 26.9918, 39.6653**.

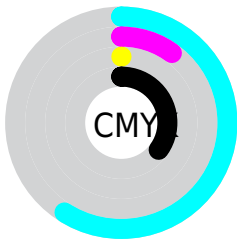
Distribution



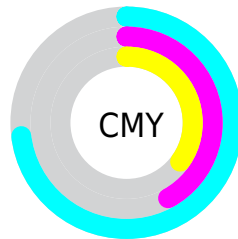
- Red (27%)
- Green (58%)
- Blue (65%)



- Red (27%)
- Yellow (44%)
- Blue (65%)



- Cyan (59%)
- Magenta (10%)
- Yellow (0%)
- Black (35%)



- Cyan (73%)
- Magenta (42%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9229, 25.4404, 39.4578 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 19.9229, 25.4404, 39.4578 by changing the saturation by 10% instead.

■ 19.9229, 25.4404,
39.4578

■ 19.9229, 25.4404,
39.4578

244.3389,
280.0241, 359.3169

■ 12.4469, 16.4055,
26.8055

■ 42.7928, 52.3708,
75.5652

■ 7.1232, 9.8115,
17.1960

■ 58.9175, 71.0350,
99.8574

■ 3.5863, 5.2742,
10.2109

■ 78.6558, 93.6778,
128.8665

■ 1.4709, 2.4090,
5.4316

■ 102.3730,
120.6836, 163.0113

■ 0.3059, 0.8305,
2.4395

■ 130.4346,
152.4367, 202.7102

■ 0.0000, 0.0000,
0.8079

163.2059,

■ 0.0000, 0.0000,

189.3216, 248.3817

0.0000

201.0522,
231.7226, 300.4444

■ 19.9229, 25.4404,
39.4578

■ 19.9229, 25.4404,
39.4578

■ 18.5047, 24.0780,
39.2700

■ 21.6767, 26.9918,
39.6653

■ 17.3915, 22.8872,
39.0989

■ 23.7884, 28.7422,
39.8918

■ 16.5515, 21.8520,
38.9433

■ 26.2812, 30.7042,
40.1392

■ 15.9218, 20.9397,
38.8004

■ 29.1756, 32.8885,
40.4082

■ 15.8493, 20.8319,
38.7834

■ 32.4908, 35.3050,
40.6999

■ 36.2444, 37.9630,
41.0151

■ 40.4533, 40.8712,
41.3546

■ 45.1333, 44.0378,
41.7192

■ 50.2995, 47.4709,
42.1096

Harmonies

Analogous

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



18.8797, 25.4404, 30.2909



19.9229, 25.4404, 39.4578



22.1297, 25.4404, 46.2737

Triad

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



19.9229, 25.4404, 39.4578



30.0071, 25.4404, 34.1983



23.3132, 25.4404, 14.2926

Complementary

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



19.9229, 25.4404, 39.4578



19.7315, 14.7583, 7.2784

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.



26.3539, 25.4404, 14.9104



19.9229, 25.4404, 39.4578



30.3905, 25.4404, 25.2617

Square

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



19.9229, 25.4404, 39.4578



27.9970, 25.4404, 42.8240



29.0048, 25.4404, 18.5465



20.7273, 25.4404, 16.6364

Rectangle

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



19.9229, 25.4404, 39.4578



24.0477, 25.4404, 47.8878



29.0048, 25.4404, 18.5465



24.3135, 25.4404, 14.1729

Sweetspot

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



19.9237, 25.4414, 39.4584



52.5042, 59.0879, 72.3902



17.3838, 28.7575, 12.7284



11.1456, 12.6702, 15.7957



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.



19.9237, 25.4414, 39.4584



32.3795, 42.3378, 70.2178



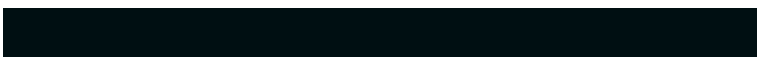
13.9228, 13.4395, 37.4581



7.1762, 7.8114, 9.0326



12.0209, 15.8212, 29.3500



0.2775, 0.3822, 0.6250

Inverse Universe

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



23.0097, 14.3044, 29.9829



38.7168, 21.4635, 50.3117



24.6842, 24.6636, 8.9293



7.3139, 7.1820, 8.6395



15.2131, 7.4413, 18.8445



0.3322, 0.1614, 0.4621

Previews

White Background



This preview shows how the XYZ color 19.9229, 25.4404, 39.4578 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 19.9229, 25.4404, 39.4578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

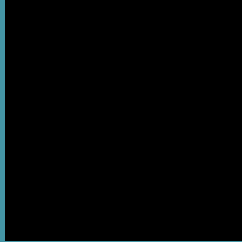
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.9229, 25.4404, 39.4578

Background



This preview shows how black text looks on a background with the XYZ color 19.9229, 25.4404, 39.4578.



This preview shows how white text looks on a background with the XYZ color 19.9229, 25.4404,

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

19.9229, 25.4404, 39.4578

Protanopia

24.7215, 25.1110, 35.4422

Deuteranopia

25.5847, 25.0282, 40.5283



Tritanopia

19.7427, 25.6146, 38.0860

Trichromacy



Original Color

19.9229, 25.4404, 39.4578

Protanomaly

22.3004, 24.9028, 36.8891

Deuteranomaly

22.7632, 24.6348, 40.1145

Tritanomaly

19.8319, 25.6503, 38.5561

Monochromacy



Original Color

19.9229, 25.4404, 39.4578

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.4155, 22.3152, 28.4833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9229, 25.4404, 39.4578 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(68, 149, 165)` looks like.

```
.text, #text, p{  
    color:rgb(68, 149, 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(68, 149, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 149, 165) }
```

Border

The CSS property to change the border of an element to XYZ 19.9229, 25.4404, 39.4578 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(68, 149, 165) }
```


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

```
.border{ border-color:rgb(68, 149, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 149, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 149, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 149, 165);  
box-shadow:4px 4px 4px 4px rgb(68, 149,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9229, 25.4404, 39.4578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 149, 165) }
```

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

```
.background{ background-color: rgb(68, 149,  
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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