

Converting Colors

XYZ(22.3452, 27.0496, 55.6731)

Have a look what the booklet for
XYZ(22.3452, 27.0496, 55.6731)
contains.

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Color

**XYZ(22.3452, 27.0496,
55.6731)**

Conversions

Conversions Part 1

Format	Color
Hex	3198C3
RGB	49, 152, 195
RGB Percent	19%, 60%, 76%
CMY	0.8078, 0.4039, 0.2353
CMYK	0.75, 0.22, 0.00, 0.24
HSL	198°, 60%, 48%
HSV	198°, 75%, 76%
XYZ	22.3452, 27.0496, 55.6731
YIQ	126.1050, -75.1910, -8.4630

Conversions

Conversions Part 2

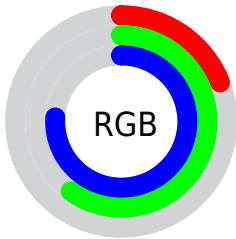
Format	Color
R_{YB}	49, 109, 195
Decimal	3250371
CIE _{Lab}	59.02, -14.77, -30.58
CIE _{LCh}	59, 33.963, 244.221
Yxy	27.0496, 0.2127, 0.2574
Android (android.graphics.Color)	4281440451 (0xFF3198C3)
YUV	126.1050, 33.9652, -67.6211
Hunter-Lab	52.0092, -14.3256, -27.0603

Details

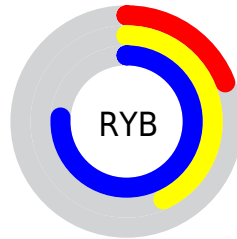
The XYZ color **22.3452, 27.0496, 55.6731** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **26.8885, 19.4800, 5.2498**, and the grayscale version is **19.7747, 20.8046, 22.6562**.

A 20% lighter version of the original color is **46.7122, 54.8157, 100.2140**, and **9.4614, 11.2304, 26.8683** is the 20% darker color. If you saturate the color by 10%, you get **20.6905, 24.8465, 55.3356**, and if you desaturate by 10%, it is **24.4536, 29.5545, 56.0460**.

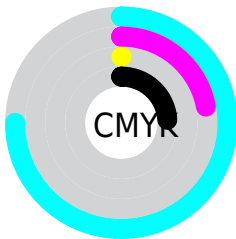
Distribution



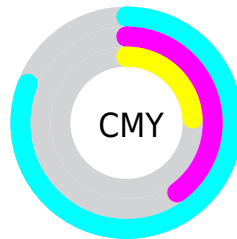
- Red (19%)
- Green (60%)
- Blue (76%)



- Red (19%)
- Yellow (43%)
- Blue (76%)



- Cyan (75%)
- Magenta (22%)
- Yellow (0%)
- Black (24%)



- Cyan (81%)
- Magenta (40%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3452, 27.0496, 55.6731 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 22.3452, 27.0496, 55.6731 by changing the saturation by 10% instead.

■ 22.3452, 27.0496,
55.6731

■ 22.3452, 27.0496,
55.6731

256.9423,
287.8972, 425.8120

■ 14.2288, 17.6105,
39.5387

■ 46.7905, 54.9634,
100.0075

■ 8.3627, 10.6707,
26.8680

■ 63.8501, 74.2070,
129.0445

■ 4.3817, 5.8459,
17.2425

■ 84.6215, 97.4874,
163.2194

■ 1.9202, 2.7516,
10.2438

■ 109.4700,
125.1892, 202.9508

■ 0.5886, 1.0035,
5.4532

■ 138.7609,
157.6966, 248.6573

■ 0.0000, 0.0000,
2.4522

172.8598,

■ 0.0000, 0.0000,

195.3942, 300.7572

0.8147

212.1318,
238.6662, 359.6693

■ 0.0000, 0.0000,
0.0000

■ 22.3452, 27.0496,
55.6731

■ 22.3452, 27.0496,
55.6731

■ 20.6905, 24.8465,
55.3356

■ 24.4536, 29.5545,
56.0460

■ 19.4293, 22.9119,
55.0287

■ 27.0601, 32.3837,
56.4547

■ 18.8769, 21.9931,
54.8804

■ 30.2067, 35.5602,
56.9020

■ 33.9297, 39.1035,
57.3897

■ 38.2624, 43.0317,
57.9196

■ 43.2352, 47.3614,
58.4932

■ 48.8765, 52.1079,
59.1120

■ 55.2129, 57.2859,
59.7775

■ 62.2696, 62.9091,
60.4910

Harmonies

Analogous

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



19.5763, 27.0496, 44.5217



22.3452, 27.0496, 55.6731



26.3107, 27.0496, 59.1779

Triad

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



22.3452, 27.0496, 55.6731



34.6646, 27.0496, 27.7775



21.4178, 27.0496, 14.1322

Complementary

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



22.3452, 27.0496, 55.6731



26.8885, 19.4800, 5.2498

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.



25.1182, 27.0496, 11.8448



22.3452, 27.0496, 55.6731



33.0069, 27.0496, 18.2366

Square

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



22.3452, 27.0496, 55.6731



33.7163, 27.0496, 40.7384



29.3963, 27.0496, 13.1112



19.0833, 27.0496, 20.4708

Rectangle

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



22.3452, 27.0496, 55.6731



29.1786, 27.0496, 56.0816



29.3963, 27.0496, 13.1112



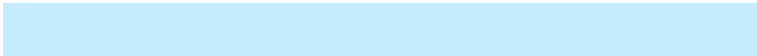
22.5275, 27.0496, 12.9564

Sweetspot

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



22.3461, 27.0505, 55.6738



70.6667, 78.9590, 103.9859



22.6439, 40.4284, 16.3667



14.9629, 16.8384, 22.7115



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



22.3461, 27.0505, 55.6738



35.5093, 42.1871, 98.7412



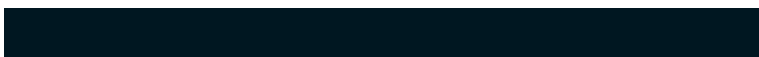
14.0335, 10.4252, 52.9029



10.1099, 10.9112, 12.8580



12.3446, 14.4457, 35.6943



0.5907, 0.7389, 1.5614

Inverse Universe

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



29.2723, 16.0668, 31.2650



49.4741, 25.0106, 48.4132



36.2234, 38.1499, 8.3614



10.3668, 10.1953, 12.0220



17.6269, 8.7405, 16.4794



0.7906, 0.3892, 0.8645

Previews

White Background



This preview shows how the XYZ color 22.3452, 27.0496, 55.6731 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 22.3452, 27.0496, 55.6731 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 22.3452, 27.0496, 55.6731

Background



This preview shows how black text looks on a background with the XYZ color 22.3452, 27.0496, 55.6731.

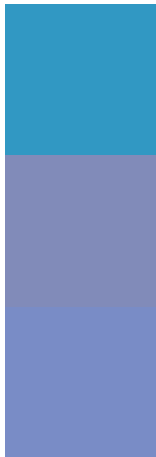


This preview shows how white text looks on a background with the XYZ color 22.3452, 27.0496,

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

22.3452, 27.0496, 55.6731

Protanopia

27.0428, 26.6351, 49.6147

Deuteranopia

27.4563, 26.8983, 57.1709



Tritanopia

19.5718, 27.1607, 41.7471

Trichromacy



Original Color

22.3452, 27.0496, 55.6731

Protanomaly

24.4141, 26.3300, 51.9395

Deuteranomaly

24.7706, 26.4106, 56.6155

Tritanomaly

20.3529, 26.9641, 46.2514

Monochromacy



Original Color

22.3452, 27.0496, 55.6731

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.2869, 22.1590, 32.5387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3452, 27.0496, 55.6731 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(49, 152, 195)` looks like.

```
.text, #text, p{  
    color:rgb(49, 152, 195)  
}
```

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(49, 152, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 152, 195) }
```

Border

The CSS property to change the border of an element to XYZ 22.3452, 27.0496, 55.6731 is called "border". The border property can be set on classes, ids or directly on the HTML element.

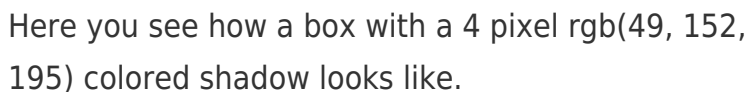
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(49, 152, 195) }
```


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

```
.border{ border-color:rgb(49, 152, 195) }
```

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



Here you see how a box with a 4 pixel `rgb(49, 152, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 152, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 152, 195);  
box-shadow:4px 4px 4px 4px rgb(49, 152,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3452, 27.0496, 55.6731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 152, 195) }
```

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

```
.background{ background-color: rgb(49, 152,  
195) }
```

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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