

Converting Colors

XYZ(22.3237, 27.0042, 55.2987)

Have a look what the booklet for
XYZ(22.3237, 27.0042, 55.2987)
contains.

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Color

**XYZ(22.3311, 27.0553,
55.0842)**

Conversions

Conversions Part 1

Format	Color
Hex	3398C2
RGB	51, 152, 194
RGB Percent	20%, 60%, 76%
CMY	0.8000, 0.4039, 0.2392
CMYK	0.74, 0.22, 0.00, 0.24
HSL	198°, 58%, 48%
HSV	198°, 74%, 76%
XYZ	22.3311, 27.0553, 55.0842
YIQ	126.5890, -73.6780, -8.3500

Conversions

Conversions Part 2

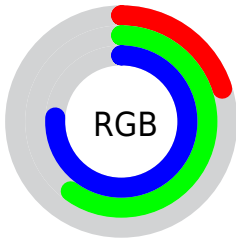
Format	Color
R_{YB}	51, 110, 194
Decimal	3381442
CIE _{Lab}	59.03, -14.86, -30.01
CIE _{LCh}	59, 33.485, 243.658
Yxy	27.0553, 0.2138, 0.2590
Android (android.graphics.Color)	4281571522 (0xFF3398C2)
YUV	126.5890, 33.2336, -66.2916
Hunter-Lab	52.0147, -14.3916, -26.3785

Details

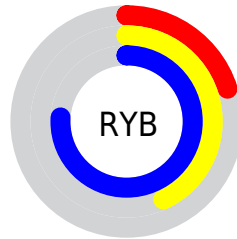
The XYZ color **22.3311, 27.0553, 55.0842** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **26.7614, 19.5390, 5.4941**, and the grayscale version is **19.9414, 20.9799, 22.8471**.

A 20% lighter version of the original color is **46.6864, 54.8207, 99.3876**, and **9.3873, 11.2008, 26.4782** is the 20% darker color. If you saturate the color by 10%, you get **20.6471, 24.8475, 54.7473**, and if you desaturate by 10%, it is **24.4690, 29.5640, 55.4563**.

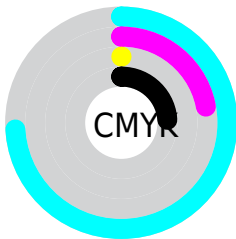
Distribution



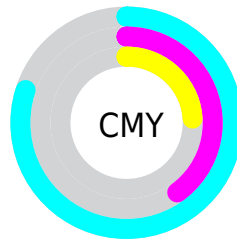
- Red (20%)
- Green (60%)
- Blue (76%)



- Red (20%)
- Yellow (43%)
- Blue (76%)



- Cyan (74%)
- Magenta (22%)
- Yellow (0%)
- Black (24%)



- Cyan (80%)
- Magenta (40%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3311, 27.0553, 55.0842 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 22.3311, 27.0553, 55.0842 by changing the saturation by 10% instead.

■ 22.3311, 27.0553,
55.0842

■ 22.3311, 27.0553,
55.0842

256.8705,
287.9248, 423.5220

■ 14.2184, 17.6148,
39.0701

■ 46.7674, 54.9726,
99.1367

■ 8.3554, 10.6738,
26.5060

■ 63.8217, 74.2181,
128.0122

■ 4.3769, 5.8479,
16.9734

■ 84.5872, 97.5008,
162.0118

■ 1.9175, 2.7528,
10.0538

■ 109.4293,
125.2050, 201.5542

■ 0.5870, 1.0041,
5.3286

■ 138.7133,
157.7151, 247.0579

■ 0.0000, 0.0000,
2.3792

172.8046,

■ 0.0000, 0.0000,

195.4155, 298.9414

0.7751

212.0685,
238.6906, 357.6232

■ 0.0000, 0.0000,
0.0000

■ 22.3311, 27.0553,
55.0842

■ 22.3311, 27.0553,
55.0842

■ 20.6471, 24.8475,
54.7473

■ 24.4690, 29.5640,
55.4563

■ 19.3591, 22.9084,
54.4409

■ 27.1038, 32.3953,
55.8639

■ 18.6861, 21.7918,
54.2609

■ 30.2763, 35.5715,
56.3098

■ 34.0220, 39.1119,
56.7957

■ 38.3734, 43.0339,
57.3234

■ 43.3603, 47.3538,
57.8944

■ 49.0104, 52.0867,
58.5101

■ 55.3499, 57.2470,
59.1720

■ 62.4035, 62.8480,
59.8814

Harmonies

Analogous

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



19.6229, 27.0553, 44.0442



22.3311, 27.0553, 55.0842



26.2283, 27.0553, 58.6951

Triad

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



22.3311, 27.0553, 55.0842



34.5392, 27.0553, 28.0229



21.5372, 27.0553, 14.2248

Complementary

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



22.3311, 27.0553, 55.0842



26.7614, 19.5390, 5.4941

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.



25.2089, 27.0553, 12.0181



22.3311, 27.0553, 55.0842



32.9537, 27.0553, 18.5113

Square

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



22.3311, 27.0553, 55.0842



33.5587, 27.0553, 40.8205



29.4251, 27.0553, 13.3452



19.2004, 27.0553, 20.4288

Rectangle

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



22.3311, 27.0553, 55.0842



29.0557, 27.0553, 55.7743



29.4251, 27.0553, 13.3452



22.6411, 27.0553, 13.0799

Sweetspot

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



22.3320, 27.0563, 55.0849



70.6797, 78.9850, 103.9902



22.5688, 40.0525, 16.5580



14.9661, 16.8448, 22.7125



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.



22.3320, 27.0563, 55.0849



35.9986, 42.9622, 98.8650



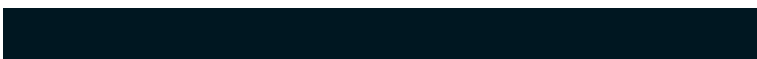
14.1202, 10.6325, 52.3476



10.1106, 10.9126, 12.8583



12.3592, 14.4749, 35.6992



0.5913, 0.7400, 1.5615

Inverse Universe

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



29.1003, 16.1051, 31.2814



49.7707, 25.3194, 49.3891



35.9469, 37.9100, 8.5559



10.3671, 10.1955, 12.0239



17.6343, 8.7435, 16.5183



0.7908, 0.3893, 0.8660

Previews

White Background



This preview shows how the XYZ color 22.3311, 27.0553, 55.0842 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 22.3311, 27.0553, 55.0842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

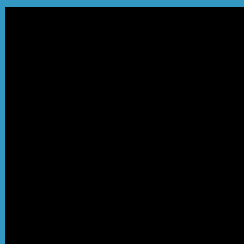
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

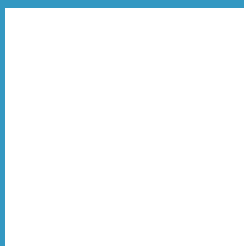
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.3311, 27.0553, 55.0842

Background



This preview shows how black text looks on a background with the XYZ color 22.3311, 27.0553, 55.0842.

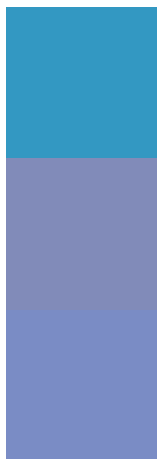


This preview shows how white text looks on a background with the XYZ color 22.3311, 27.0553,

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

22.3311, 27.0553, 55.0842

Protanopia

27.0428, 26.6351, 49.6147

Deuteranopia

27.4822, 26.9250, 56.5719



Tritanopia

19.5566, 26.9027, 41.6981

Trichromacy



Original Color

22.3311, 27.0553, 55.0842

Protanomaly

24.4172, 26.3441, 51.3749

Deuteranomaly

24.7609, 26.4188, 56.0189

Tritanomaly

20.5202, 27.0504, 46.2592

Monochromacy



Original Color

22.3311, 27.0553, 55.0842

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.5357, 22.4953, 32.5906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3311, 27.0553, 55.0842 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(51, 152, 194)` looks like.

```
.text, #text, p{  
    color:rgb(51, 152, 194)  
}
```

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(51, 152, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 152, 194) }
```

Border

The CSS property to change the border of an element to XYZ 22.3311, 27.0553, 55.0842 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(51, 152, 194) }
```


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

```
.border{ border-color:rgb(51, 152, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 152, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 152, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 152, 194);  
box-shadow:4px 4px 4px 4px rgb(51, 152,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3311, 27.0553, 55.0842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 152, 194) }
```

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

```
.background{ background-color: rgb(51, 152,  
194) }
```

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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