

Converting Colors

XYZ(20.1369, 23.0182, 34.5810)

Have a look what the booklet for
XYZ(20.1369, 23.0182, 34.5810)
contains.

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Color

**XYZ(20.1176, 22.9672,
34.3831)**

Conversions

Conversions Part 1

Format	Color
Hex	64899B
RGB	100, 137, 155
RGB Percent	39%, 54%, 61%
CMY	0.6078, 0.4627, 0.3922
CMYK	0.35, 0.12, 0.00, 0.39
HSL	200°, 22%, 50%
HSV	200°, 35%, 61%
XYZ	20.1176, 22.9672, 34.3831
YIQ	127.9890, -27.8300, -2.2460

Conversions

Conversions Part 2

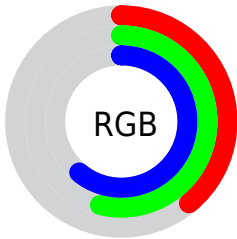
Format	Color
R_{YB}	100, 122, 155
Decimal	6588827
CIE _{Lab}	55.04, -8.22, -13.71
CIE _{LCh}	55, 15.991, 239.050
Yxy	22.9672, 0.2597, 0.2965
Android (android.graphics.Color)	4284778907 (0xFF64899B)
YUV	127.9890, 13.3164, -24.5464
Hunter-Lab	47.9241, -8.9364, -8.9907

Details

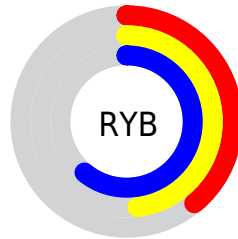
The XYZ color **20.1176, 22.9672, 34.3831** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.2967, 20.8459, 14.9058**, and the grayscale version is **20.4768, 21.5432, 23.4605**.

A 20% lighter version of the original color is **43.0589, 48.2027, 67.3562**, and **7.2223, 8.4940, 14.3555** is the 20% darker color. If you saturate the color by 10%, you get **17.8596, 20.7583, 34.0761**, and if you desaturate by 10%, it is **22.7372, 25.4139, 34.7177**.

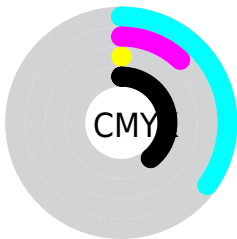
Distribution



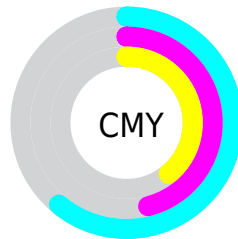
- Red (39%)
- Green (54%)
- Blue (61%)



- Red (39%)
- Yellow (48%)
- Blue (61%)



- Cyan (35%)
- Magenta (12%)
- Yellow (0%)
- Black (39%)



- Cyan (61%)
- Magenta (46%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1176, 22.9672, 34.3831 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 20.1176, 22.9672, 34.3831 by changing the saturation by 10% instead.

■ 20.1176, 22.9672,
34.3831

■ 20.1176, 22.9672,
34.3831

245.3725,
267.5565, 336.6581

■ 12.5893, 14.5693,
22.9083

■ 43.1167, 48.3395,
67.6697

■ 7.2214, 8.5177,
14.3212

■ 59.3182, 66.0826,
90.3185

■ 3.6485, 4.4279,
8.2031

■ 79.1415, 87.7096,
117.5292

■ 1.5053, 1.9157,
4.1355

■ 102.9520,
113.6049, 149.7202

■ 0.3294, 0.5578,
1.7000

131.1150,
144.1528, 187.3100

■ 0.0000, 0.0000,
0.3607

163.9958,

■ 0.0000, 0.0000,

179.7378, 230.7172

0.0000

201.9599,
220.7442, 280.3604

■ 20.1176, 22.9672,
34.3831

■ 20.1176, 22.9672,
34.3831

■ 17.8596, 20.7583,
34.0761

■ 22.7372, 25.4139,
34.7177

■ 15.9419, 18.7739,
33.7942

■ 25.7336, 28.1054,
35.0793

■ 14.3444, 17.0035,
33.5367

■ 29.1241, 31.0517,
35.4693

■ 13.0437, 15.4344,
33.3024

■ 32.9239, 34.2613,
35.8885

■ 12.0131, 14.0520,
33.0899

■ 37.1474, 37.7422,
36.3378

■ 11.2169, 12.8373,
32.8973

■ 41.8085, 41.5024,
36.8179

■ 10.8946, 12.3229,
32.8151

■ 46.9203, 45.5490,
37.3296

■ 52.4953, 49.8891,
37.8735

■ 58.5456, 54.5297,
38.4503

Harmonies

Analogous

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



18.9743, 22.9672, 30.0713



20.1176, 22.9672, 34.3831



21.7730, 22.9672, 36.1347

Triad

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



20.1176, 22.9672, 34.3831



25.4308, 22.9672, 25.1700



20.2107, 22.9672, 17.3850

Complementary

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



20.1176, 22.9672, 34.3831



22.2967, 20.8459, 14.9058

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.



21.8864, 22.9672, 16.4369



20.1176, 22.9672, 34.3831



24.9579, 22.9672, 20.5464

Square

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



20.1176, 22.9672, 34.3831



24.8960, 22.9672, 30.3904



23.6361, 22.9672, 17.5127



19.0260, 22.9672, 20.3008

Rectangle

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



20.1176, 22.9672, 34.3831



22.9651, 22.9672, 35.4551



23.6361, 22.9672, 17.5127



20.7323, 22.9672, 16.8447

Sweetspot

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



20.1183, 22.9681, 34.3836



48.5892, 52.5285, 63.1144



20.2129, 27.4467, 21.1914



10.8292, 11.7423, 14.2661



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.1183, 22.9681, 34.3836



32.6063, 37.7977, 61.1134



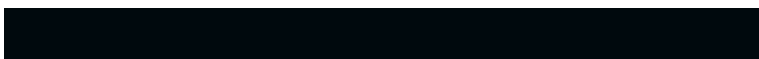
16.7575, 16.2464, 33.2634



6.2141, 6.6856, 7.8919



8.7862, 9.9691, 26.3689



0.1641, 0.2146, 0.4051

Inverse Universe

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



22.5907, 17.8897, 25.9303



37.8722, 27.7230, 42.9420



25.9309, 28.1145, 16.1172



6.3752, 6.2892, 7.3559



12.8936, 6.4117, 11.2309



0.2093, 0.1025, 0.2551

Previews

White Background



This preview shows how the XYZ color 20.1176, 22.9672, 34.3831 looks on a white background.

Color Contrast Check

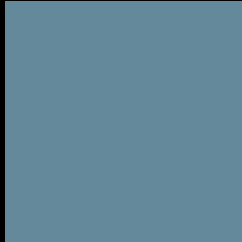
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1176, 22.9672, 34.3831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

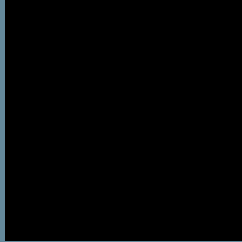
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.1176, 22.9672, 34.3831

Background



This preview shows how black text looks on a background with the XYZ color 20.1176, 22.9672, 34.3831.



This preview shows how white text looks on a background with the XYZ color 20.1176, 22.9672,

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

20.1176, 22.9672, 34.3831

Protanopia

22.4706, 22.7888, 32.4925

Deuteranopia

23.3207, 22.7782, 35.0658



Tritanopia

19.6589, 22.9995, 31.8370

Trichromacy



Original Color

20.1176, 22.9672, 34.3831

Protanomaly

21.5262, 22.8936, 32.9901

Deuteranomaly

21.8628, 22.6260, 34.6674

Tritanomaly

19.8200, 23.0640, 32.6853

Monochromacy



Original Color

20.1176, 22.9672, 34.3831

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.1750, 21.9191, 27.2122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1176, 22.9672, 34.3831 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(100, 137, 155)` looks like.

```
.text, #text, p{  
    color:rgb(100, 137, 155)  
}
```

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(100, 137, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 137, 155) }
```

Border

The CSS property to change the border of an element to XYZ 20.1176, 22.9672, 34.3831 is called "border". The border property can be set on classes, ids or directly on the HTML element.

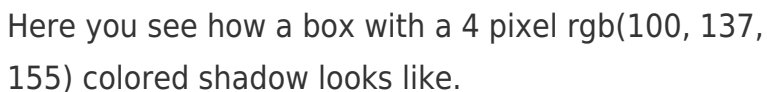
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(100, 137, 155) }
```


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

```
.border{ border-color:rgb(100, 137, 155) }
```

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



Here you see how a box with a 4 pixel `rgb(100, 137, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 137, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 137, 155);  
box-shadow:4px 4px 4px 4px rgb(100, 137,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1176, 22.9672, 34.3831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 137, 155) }
```

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

```
.background{ background-color: rgb(100,  
137, 155) }
```

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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