

Converting Colors

XYZ(20.1468, 23.1637, 33.7113)

Have a look what the booklet for
XYZ(20.1468, 23.1637, 33.7113)
contains.

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Color

**XYZ(20.0938, 23.1862,
33.5533)**

Conversions

Conversions Part 1

Format	Color
Hex	648A99
RGB	100, 138, 153
RGB Percent	39%, 54%, 60%
CMY	0.6078, 0.4588, 0.4000
CMYK	0.35, 0.10, 0.00, 0.40
HSL	197°, 21%, 50%
HSV	197°, 35%, 60%
XYZ	20.0938, 23.1862, 33.5533
YIQ	128.3480, -27.4630, -3.3910

Conversions

Conversions Part 2

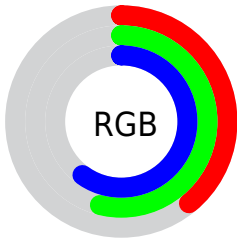
Format	Color
R_{YB}	100, 122, 153
Decimal	6589081
CIE Lab	55.26, -9.31, -12.22
CIE LCh	55, 15.364, 232.696
Yxy	23.1862, 0.2615, 0.3018
Android (android.graphics.Color)	4284779161 (0xFF648A99)
YUV	128.3480, 12.1534, -24.8612
Hunter-Lab	48.1521, -9.7782, -7.6080

Details

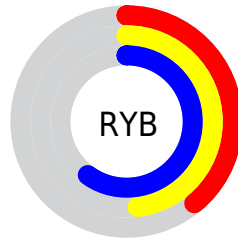
The XYZ color **20.0938, 23.1862, 33.5533** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.5682, 19.9542, 14.7720**, and the grayscale version is **20.6052, 21.6782, 23.6076**.

A 20% lighter version of the original color is **43.0302, 48.5389, 66.1325**, and **7.2034, 8.6169, 13.8539** is the 20% darker color. If you saturate the color by 10%, you get **17.9491, 21.1772, 33.2790**, and if you desaturate by 10%, it is **22.5825, 25.4104, 33.8518**.

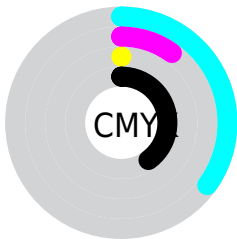
Distribution



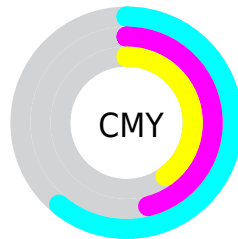
- Red (39%)
- Green (54%)
- Blue (60%)



- Red (39%)
- Yellow (48%)
- Blue (60%)



- Cyan (35%)
- Magenta (10%)
- Yellow (0%)
- Black (40%)



- Cyan (61%)
- Magenta (46%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0938, 23.1862, 33.5533 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 20.0938, 23.1862, 33.5533 by changing the saturation by 10% instead.

■ 20.0938, 23.1862,
33.5533

■ 20.0938, 23.1862,
33.5533

245.2464,
268.6799, 332.8438

■ 12.5719, 14.7311,
22.2761

■ 43.0771, 48.6989,
66.3643

■ 7.2094, 8.6309,
13.8596

■ 59.2693, 66.5252,
88.7352

■ 3.6409, 4.5012,
7.8855

■ 79.0822, 88.2441,
115.6411

■ 1.5010, 1.9577,
3.9350

■ 102.8813,
114.2398, 147.5004

■ 0.3265, 0.5827,
1.5898

131.0319,
144.8969, 184.7319

■ 0.0000, 0.0000,
0.2835

163.8994,

■ 0.0000, 0.0000,

180.5997, 227.7539

0.0000

201.8491,
221.7326, 276.9850

■ 20.0938, 23.1862,
33.5533

■ 20.0938, 23.1862,
33.5533

■ 17.9491, 21.1772,
33.2790

■ 22.5825, 25.4104,
33.8518

■ 16.1282, 19.3709,
33.0263

■ 25.4298, 27.8561,
34.1738

■ 14.6119, 17.7576,
32.7948

■ 28.6520, 30.5327,
34.5207

■ 13.3780, 16.3253,
32.5834

■ 32.2637, 33.4481,
34.8930

■ 12.4010, 15.0605,
32.3907

■ 36.2788, 36.6099,
35.2917

■ 11.6493, 13.9464,
32.2153

■ 40.7104, 40.0251,
35.7173

■ 11.2937, 13.3877,
32.1262

■ 45.5710, 43.7007,
36.1706

■ 50.8726, 47.6431,
36.6521

■ 56.6267, 51.8587,
37.1626

Harmonies

Analogous

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



19.1256, 23.1862, 29.0792



20.0938, 23.1862, 33.5533



21.6200, 23.1862, 35.8530

Triad

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



20.0938, 23.1862, 33.5533



25.4833, 23.1862, 26.4691



20.7863, 23.1862, 17.4777

Complementary

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



20.0938, 23.1862, 33.5533



21.5682, 19.9542, 14.7720

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.



22.4609, 23.1862, 16.9689



20.0938, 23.1862, 33.5533



25.2316, 23.1862, 21.7651

Square

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



20.0938, 23.1862, 33.5533



24.7742, 23.1862, 31.4315



24.1033, 23.1862, 18.4370



19.5106, 23.1862, 19.9301

Rectangle

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



20.0938, 23.1862, 33.5533



22.7726, 23.1862, 35.6579



24.1033, 23.1862, 18.4370



21.3190, 23.1862, 17.0879

Sweetspot

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



20.0945, 23.1871, 33.5538



48.0199, 51.9637, 61.4711



19.6922, 26.7102, 20.0777



10.4421, 11.3397, 13.5559



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.



20.0945, 23.1871, 33.5538



32.7956, 38.5492, 59.6842



16.8406, 16.6793, 32.4692



6.2368, 6.7309, 7.8995



9.3631, 11.1230, 26.5612



0.1703, 0.2269, 0.4072

Inverse Universe

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



22.2821, 17.7223, 26.2921



37.4621, 27.5780, 44.0396



24.9085, 26.6347, 15.8854



6.3866, 6.2938, 7.4161



13.1848, 6.5282, 12.7643



0.2124, 0.1037, 0.2713

Previews

White Background



This preview shows how the XYZ color 20.0938, 23.1862, 33.5533 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 20.0938, 23.1862, 33.5533 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 20.0938, 23.1862, 33.5533

Background



This preview shows how black text looks on a background with the XYZ color 20.0938, 23.1862, 33.5533.



This preview shows how white text looks on a background with the XYZ color 20.0938, 23.1862,

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

20.0938, 23.1862, 33.5533

Protanopia

22.5149, 23.0378, 31.2771

Deuteranopia

23.5982, 23.1354, 34.2322



Tritanopia

19.8832, 23.3199, 32.3074

Trichromacy



Original Color

20.0938, 23.1862, 33.5533

Protanomaly

21.5013, 23.1038, 32.1804

Deuteranomaly

22.1100, 22.9732, 33.8408

Tritanomaly

19.9641, 23.3523, 32.7334

Monochromacy



Original Color

20.0938, 23.1862, 33.5533

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.2378, 22.1602, 26.8776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0938, 23.1862, 33.5533 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, 138, 153)` looks like.

```
.text, #text, p{  
    color:rgb(100, 138, 153)  
}
```

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, 138, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 138, 153) }
```

Border

The CSS property to change the border of an element to XYZ 20.0938, 23.1862, 33.5533 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, 138, 153) }
```


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

```
.border{ border-color:rgb(100, 138, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 138, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 138, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 138, 153);  
box-shadow:4px 4px 4px 4px rgb(100, 138,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0938, 23.1862, 33.5533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 138, 153) }
```

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

```
.background{ background-color: rgb(100,  
138, 153) }
```

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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