

Converting Colors

XYZ(20.9123, 24.1233, 33.6147)

Have a look what the booklet for
XYZ(20.9123, 24.1233, 33.6147)
contains.

XYZ(20.8368, 23.9991, 33.6711)	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(20.8368, 23.9991,
33.6711)**

Conversions

Conversions Part 1

Format	Color
Hex	688C99
RGB	104, 140, 153
RGB Percent	41%, 55%, 60%
CMY	0.5921, 0.4510, 0.4000
CMYK	0.32, 0.08, 0.00, 0.40
HSL	196°, 19%, 50%
HSV	196°, 32%, 60%
XYZ	20.8368, 23.9991, 33.6711
YIQ	130.7180, -25.6290, -3.5890

Conversions

Conversions Part 2

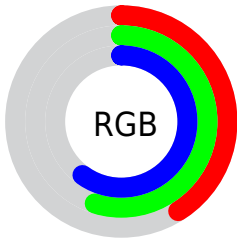
Format	Color
RYB	104, 125, 153
Decimal	6851737
CIELab	56.09, -9.23, -10.96
CIELCh	56, 14.331, 229.887
Yxy	23.9991, 0.2654, 0.3057
Android (android.graphics.Color)	4285041817 (0xFF688C99)
YUV	130.7180, 10.9850, -23.4317
Hunter-Lab	48.9889, -9.8078, -6.4591

Details

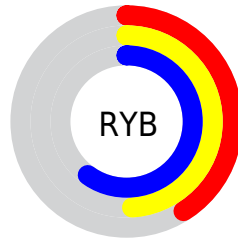
The XYZ color **20.8368, 23.9991, 33.6711** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.9973, 20.4948, 15.8939**, and the grayscale version is **21.4421, 22.5588, 24.5665**.

A 20% lighter version of the original color is **44.4589, 50.2567, 66.3888**, and **7.5758, 9.0559, 13.9191** is the 20% darker color. If you saturate the color by 10%, you get **18.6374, 22.0015, 33.4019**, and if you desaturate by 10%, it is **23.3818, 26.2085, 33.9638**.

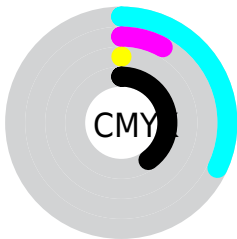
Distribution



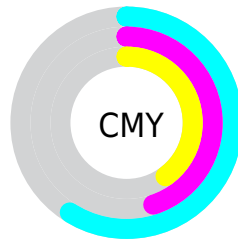
- Red (41%)
- Green (55%)
- Blue (60%)



- Red (41%)
- Yellow (49%)
- Blue (60%)



- Cyan (32%)
- Magenta (8%)
- Yellow (0%)
- Black (40%)



- Cyan (59%)
- Magenta (45%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8368, 23.9991, 33.6711 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 20.8368, 23.9991, 33.6711 by changing the saturation by 10% instead.

■ 20.8368, 23.9991,
33.6711

■ 20.8368, 23.9991,
33.6711

■ 249.1581,
272.8159, 333.3873

■ 13.1165, 15.3330,
22.3657

■ 44.3091, 50.0287,
66.5499

■ 7.5864, 9.0534,
13.9250

■ 60.7918, 68.1610,
88.9604

■ 3.8810, 4.7760,
7.9304

■ 80.9261, 90.2174,
115.9098

■ 1.6350, 2.1165,
3.9633

■ 105.0773,
116.5824, 147.8164

■ 0.4151, 0.6739,
1.6052

■ 133.6107,
147.6404, 185.0990

■ 0.0000, 0.0000,
0.2945

■ 166.8918,

■ 0.0000, 0.0000,

183.7757, 228.1759

0.0000

205.2858,
225.3727, 277.4659

■ 20.8368, 23.9991,
33.6711

■ 20.8368, 23.9991,
33.6711

■ 18.6374, 22.0015,
33.4019

■ 23.3818, 26.2085,
33.9638

■ 16.7637, 20.2035,
33.1535

■ 26.2865, 28.6355,
34.2792

■ 15.1972, 18.5955,
32.9257

■ 29.5670, 31.2894,
34.6186

■ 13.9163, 17.1662,
32.7174

■ 33.2376, 34.1780,
34.9826

■ 12.8967, 15.9027,
32.5272

■ 37.3119, 37.3084,
35.3721

■ 12.1093, 14.7896,
32.3539

■ 41.8029, 40.6878,
35.7877

■ 11.5896, 13.9795,
32.2249

■ 46.7228, 44.3227,
36.2300

■ 52.0834, 48.2196,
36.6997

■ 57.8961, 52.3847,
37.1972

Harmonies

Analogous

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



19.9694, 23.9991, 29.3278



20.8368, 23.9991, 33.6711



22.2607, 23.9991, 36.0776

Triad

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



20.8368, 23.9991, 33.6711



26.0607, 23.9991, 27.7504



21.7536, 23.9991, 18.5195

Complementary

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



20.8368, 23.9991, 33.6711



21.9973, 20.4948, 15.8939

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.



23.3691, 23.9991, 18.2044



20.8368, 23.9991, 33.6711



25.9089, 23.9991, 23.1752

Square

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



20.8368, 23.9991, 33.6711



25.3103, 23.9991, 32.3979



24.9049, 23.9991, 19.8099



20.4809, 23.9991, 20.7292

Rectangle

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



20.8368, 23.9991, 33.6711



23.3567, 23.9991, 36.0853



24.9049, 23.9991, 19.8099



22.2728, 23.9991, 18.1995

Sweetspot

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



20.8375, 24.0001, 33.6717



48.0980, 52.1200, 61.4971



20.2677, 26.9928, 20.7420



10.4614, 11.3783, 13.5624



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.



20.8375, 24.0001, 33.6717



34.6010, 40.5331, 59.9720



17.7336, 17.7922, 32.6370



6.2459, 6.7491, 7.9025



9.6067, 11.6100, 26.6423



0.1727, 0.2318, 0.4080

Inverse Universe

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



22.8215, 18.5671, 27.1929



38.7706, 29.6220, 46.2421



25.1242, 26.7485, 16.9362



6.3912, 6.2957, 7.4403



13.3078, 6.5773, 13.4117



0.2136, 0.1042, 0.2779

Previews

White Background



This preview shows how the XYZ color 20.8368, 23.9991, 33.6711 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 20.8368, 23.9991, 33.6711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

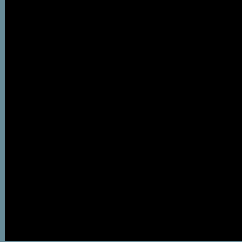
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.8368, 23.9991, 33.6711

Background



This preview shows how black text looks on a background with the XYZ color 20.8368, 23.9991, 33.6711.



This preview shows how white text looks on a background with the XYZ color 20.8368, 23.9991,

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

20.8368, 23.9991, 33.6711

Protanopia

23.3281, 23.8505, 31.8079

Deuteranopia

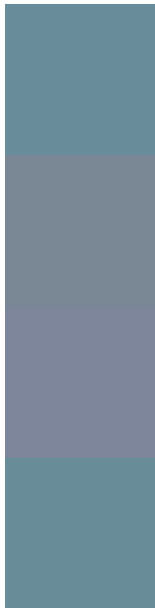
24.3492, 23.9175, 34.3435



Tritanopia

20.6729, 23.9336, 32.8082

Trichromacy



Original Color

20.8368, 23.9991, 33.6711

Protanomaly

22.3352, 23.9479, 32.2994

Deuteranomaly

22.8153, 23.7433, 33.9523

Tritanomaly

20.7545, 23.9662, 33.2378

Monochromacy



Original Color

20.8368, 23.9991, 33.6711

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.0705, 22.9792, 27.7510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8368, 23.9991, 33.6711 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(104, 140, 153)` looks like.

```
.text, #text, p{  
    color:rgb(104, 140, 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(104, 140, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 140, 153) }
```

Border

The CSS property to change the border of an element to XYZ 20.8368, 23.9991, 33.6711 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(104, 140, 153) }
```


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

```
.border{ border-color:rgb(104, 140, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 140, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 140, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 140, 153);  
box-shadow:4px 4px 4px 4px rgb(104, 140,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8368, 23.9991, 33.6711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 140, 153) }
```

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

```
.background{ background-color: rgb(104,  
140, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor