

Converting Colors

XYZ(20.5468, 23.4210, 33.5748)

Have a look what the booklet for
XYZ(20.5468, 23.4210, 33.5748)
contains.

XYZ(20.5472, 23.4199, 33.5745)	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(20.5472, 23.4199,
33.5745)**

Conversions

Conversions Part 1

Format	Color
Hex	688A99
RGB	104, 138, 153
RGB Percent	41%, 54%, 60%
CMY	0.5921, 0.4588, 0.4000
CMYK	0.32, 0.10, 0.00, 0.40
HSL	198°, 19%, 50%
HSV	198°, 32%, 60%
XYZ	20.5472, 23.4199, 33.5745
YIQ	129.5440, -25.0790, -2.5430

Conversions

Conversions Part 2

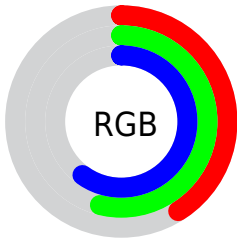
Format	Color
RYB	104, 124, 153
Decimal	6851225
CIELab	55.50, -8.12, -11.84
CIELCh	56, 14.353, 235.565
Yxy	23.4199, 0.2650, 0.3020
Android (android.graphics.Color)	4285041305 (0xFF688A99)
YUV	129.5440, 11.5638, -22.4021
Hunter-Lab	48.3941, -8.9021, -7.2579

Details

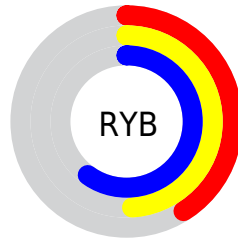
The XYZ color **20.5472, 23.4199, 33.5745** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.2328, 20.9658, 15.9725**, and the grayscale version is **21.0247, 22.1196, 24.0883**.

A 20% lighter version of the original color is **43.6036, 48.8345, 66.1593**, and **7.4093, 8.7230, 13.8636** is the 20% darker color. If you saturate the color by 10%, you get **18.2725, 21.2717, 33.2801**, and if you desaturate by 10%, it is **23.1746, 25.7941, 33.8947**.

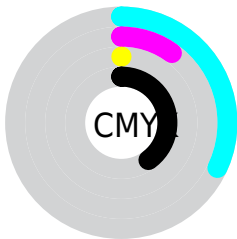
Distribution



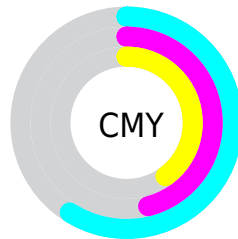
- Red (41%)
- Green (54%)
- Blue (60%)



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



- Cyan (32%)
- Magenta (10%)
- Yellow (0%)
- Black (40%)



- Cyan (59%)
- Magenta (46%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5472, 23.4199, 33.5745 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 20.5472, 23.4199, 33.5745 by changing the saturation by 10% instead.

■ 20.5472, 23.4199,
33.5745

■ 20.5472, 23.4199,
33.5745

247.6397,
269.8744, 332.9416

■ 12.9040, 14.9039,
22.2922

■ 43.8297, 49.0819,
66.3977

■ 7.4390, 8.7519,
13.8714

■ 60.1997, 66.9966,
88.7758

■ 3.7869, 4.5797,
7.8935

■ 80.2094, 88.8131,
115.6895

■ 1.5823, 2.0029,
3.9401

■ 104.2240,
114.9156, 147.5573

■ 0.3808, 0.6091,
1.5925

132.6090,
145.6886, 184.7980

■ 0.0000, 0.0000,
0.2855

165.7297,

■ 0.0000, 0.0000,

181.5165, 227.8298

0.0000

203.9515,
222.7836, 277.0716

■ 20.5472, 23.4199,
33.5745

■ 20.5472, 23.4199,
33.5745

■ 18.2725, 21.2717,
33.2801

■ 23.1746, 25.7941,
33.8947

■ 16.3305, 19.3369,
33.0090

■ 26.1690, 28.4004,
34.2399

■ 14.7024, 17.6059,
32.7607

■ 29.5465, 31.2483,
34.6116

■ 13.3667, 16.0670,
32.5341

■ 33.3215, 34.3458,
35.0105

■ 12.2988, 14.7070,
32.3279

■ 37.5079, 37.7003,
35.4374

■ 11.4697, 13.5103,
32.1406

■ 42.1185, 41.3191,
35.8929

■ 10.9211, 12.6425,
32.0020

■ 47.1660, 45.2092,
36.3777

■ 52.6620, 49.3770,
36.8925

■ 58.6182, 53.8290,
37.4379

Harmonies

Analogous

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



19.5706, 23.4199, 29.5404



20.5472, 23.4199, 33.5745



22.0203, 23.4199, 35.4513

Triad

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



20.5472, 23.4199, 33.5745



25.5068, 23.4199, 26.1952



20.9446, 23.4199, 18.2798

Complementary

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



20.5472, 23.4199, 33.5745



22.2328, 20.9658, 15.9725

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.



22.5012, 23.4199, 17.6110



20.5472, 23.4199, 33.5745



25.1850, 23.4199, 21.8465

Square

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



20.5472, 23.4199, 33.5745



24.9248, 23.4199, 30.8757



24.0652, 23.4199, 18.8370



19.7921, 23.4199, 20.7881

Rectangle

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



20.5472, 23.4199, 33.5745



23.1049, 23.4199, 35.0789



24.0652, 23.4199, 18.8370



21.4358, 23.4199, 17.8464

Sweetspot

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



20.5479, 23.4208, 33.5750



47.9183, 51.7605, 61.4372



20.4125, 27.0507, 21.5046



10.4169, 11.2894, 13.5475



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.



20.5479, 23.4208, 33.5750



33.9903, 39.3116, 59.7684



17.4541, 17.2332, 32.5438



6.2249, 6.7072, 7.8955



9.0563, 10.5094, 26.4589



0.1671, 0.2205, 0.4061

Inverse Universe

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



22.6752, 18.5086, 26.4231



38.4623, 29.4987, 44.6187



25.4886, 27.4773, 17.0577



6.3807, 6.2914, 7.3846



13.0300, 6.4662, 11.9488



0.2108, 0.1031, 0.2628

Previews

White Background



This preview shows how the XYZ color 20.5472, 23.4199, 33.5745 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 20.5472, 23.4199, 33.5745 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 20.5472, 23.4199, 33.5745

Background



This preview shows how black text looks on a background with the XYZ color 20.5472, 23.4199, 33.5745.



This preview shows how white text looks on a background with the XYZ color 20.5472, 23.4199,

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

20.5472, 23.4199, 33.5745

Protanopia

22.8820, 23.4183, 31.7479

Deuteranopia

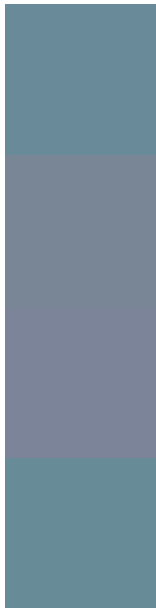
23.7583, 23.2180, 34.2397



Tritanopia

20.3312, 23.5508, 32.3284

Trichromacy



Original Color

20.5472, 23.4199, 33.5745

Protanomaly

21.9153, 23.3172, 32.1998

Deuteranomaly

22.3962, 23.1207, 33.8542

Tritanomaly

20.4121, 23.5832, 32.7543

Monochromacy



Original Color

20.5472, 23.4199, 33.5745

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.8601, 22.6750, 27.3220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5472, 23.4199, 33.5745 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, 138, 153)` looks like.

```
.text, #text, p{  
    color:rgb(104, 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(104, 138, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 138, 153) }
```

Border

The CSS property to change the border of an element to XYZ 20.5472, 23.4199, 33.5745 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, 138, 153) }
```


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

```
.border{ border-color:rgb(104, 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(104, 138, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 138, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 138, 153);  
box-shadow:4px 4px 4px 4px rgb(104, 138,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5472, 23.4199, 33.5745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 138, 153) }
```

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

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

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