

Converting Colors

XYZ(23.0162, 28.6201, 33.5893)

Have a look what the booklet for
XYZ(23.0162, 28.6201, 33.5893)
contains.

XYZ(23.0162, 28.6201, 33.5893)	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(23.0162, 28.6201,
33.5893)**

Conversions

Conversions Part 1

Format	Color
Hex	689B97
RGB	104, 155, 151
RGB Percent	41%, 61%, 59%
CMY	0.5921, 0.3921, 0.4078
CMYK	0.33, 0.00, 0.03, 0.39
HSL	175°, 20%, 51%
HSV	175°, 33%, 61%
XYZ	23.0162, 28.6201, 33.5893
YIQ	139.2950, -29.1120, -12.0560

Conversions

Conversions Part 2

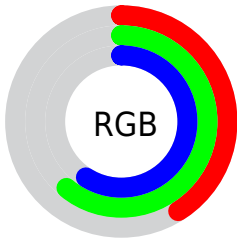
Format	Color
RYB	104, 131, 155
Decimal	6855575
CIELab	60.44, -17.85, -3.34
CIElCh	60, 18.162, 190.585
Yxy	28.6201, 0.2701, 0.3358
Android (android.graphics.Color)	4285045655 (0xFF689B97)
YUV	139.2950, 5.7706, -30.9537
Hunter-Lab	53.4978, -16.8255, 0.2224

Details

The XYZ color **23.0162, 28.6201, 33.5893** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.1757, 17.9528, 16.5377**, and the grayscale version is **24.6415, 25.9247, 28.2320**.

A 20% lighter version of the original color is **47.9707, 57.6691, 66.3605**, and **8.7188, 11.5776, 13.8318** is the 20% darker color. If you saturate the color by 10%, you get **21.2817, 27.7380, 32.9957**, and if you desaturate by 10%, it is **25.0841, 29.6754, 34.2050**.

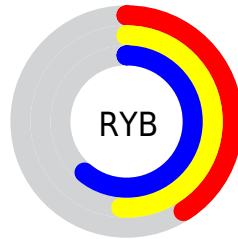
Distribution



Red (41%)

Green (61%)

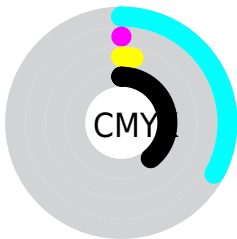
Blue (59%)



Red (41%)

Yellow (51%)

Blue (61%)

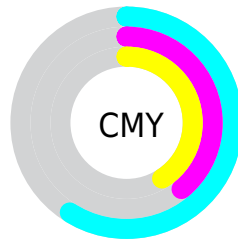


Cyan (33%)

Magenta (0%)

Yellow (3%)

Black (39%)



Cyan (59%)

Magenta (39%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0162, 28.6201, 33.5893 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 23.0162, 28.6201, 33.5893 by changing the saturation by 10% instead.

■ 23.0162, 28.6201,
33.5893

■ 23.0162, 28.6201,
33.5893

260.3420,
295.4182, 333.0099

■ 14.7262, 18.7936,
22.3035

■ 47.8864, 57.4729,
66.4211

■ 8.7125, 11.5212,
13.8796

■ 65.1973, 77.2681,
88.8041

■ 4.6098, 6.4186,
7.8992

■ 86.2459, 101.1550,
115.7232

■ 2.0525, 3.1012,
3.9437

■ 111.3976,
129.5179, 147.5970

■ 0.6632, 1.1848,
1.5945

141.0177,
162.7413, 184.8441

■ 0.0000, 0.0493,
0.2869

175.4716,

■ 0.0000, 0.0000,

201.2095, 227.8829

0.0000

215.1245,
245.3071, 277.1320

■ 23.0162, 28.6201,
33.5893

■ 23.0162, 28.6201,
33.5893

■ 21.2817, 27.7380,
32.9957

■ 25.0841, 29.6754,
34.2050

■ 19.8600, 27.0164,
32.4215

■ 27.4996, 30.9091,
34.8417

■ 18.7321, 26.4460,
31.8663

■ 30.2793, 32.3303,
35.5009

■ 17.8756, 26.0155,
31.3290

■ 33.4379, 33.9468,
36.1831

■ 17.2654, 25.7118,
30.8086

■ 36.9891, 35.7656,
36.8890

■ 16.8713, 25.5194,
30.3035

■ 40.9462, 37.7934,
37.6194

■ 16.6677, 25.4220,
29.9518

■ 45.3216, 40.0369,
38.3748

■ 50.1276, 42.5021,
39.1557

■ 55.3754, 45.1951,
39.9627

Harmonies

Analogous

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



23.1769, 28.6201, 27.0734



23.0162, 28.6201, 33.5893



23.9275, 28.6201, 40.3172

Triad

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



23.0162, 28.6201, 33.5893



30.2351, 28.6201, 42.0053



28.7253, 28.6201, 20.5232

Complementary

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



23.0162, 28.6201, 33.5893



21.1757, 17.9528, 16.5377

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.



30.7636, 28.6201, 23.5103



23.0162, 28.6201, 33.5893



31.6693, 28.6201, 35.6437

Square

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



23.0162, 28.6201, 33.5893



28.0372, 28.6201, 45.6182



31.8680, 28.6201, 28.8554



26.3846, 28.6201, 20.1371

Rectangle

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



23.0162, 28.6201, 33.5893



25.0527, 28.6201, 43.7849



31.8680, 28.6201, 28.8554



29.4720, 28.6201, 21.2339

Sweetspot

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



23.0170, 28.6212, 33.5900



50.5294, 56.0081, 62.7110



20.4357, 27.6472, 17.3567



11.2954, 12.6047, 14.1597



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.



23.0170, 28.6212, 33.5900



39.0262, 50.1389, 59.4200



20.1168, 22.2918, 34.2541



6.3637, 7.0182, 7.8385



13.3934, 20.4208, 24.0902



0.2056, 0.3074, 0.3884

Inverse Universe

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



21.1757, 17.9528, 16.5377



35.2429, 28.2035, 24.3723



23.3826, 22.6997, 16.2464



6.2275, 6.2302, 6.5781



10.9178, 5.6214, 0.8264



0.1678, 0.0859, 0.0365

Previews

White Background



This preview shows how the XYZ color 23.0162, 28.6201, 33.5893 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 23.0162, 28.6201, 33.5893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

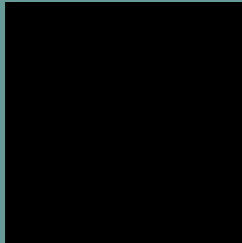
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.0162, 28.6201, 33.5893

Background



This preview shows how black text looks on a background with the XYZ color 23.0162, 28.6201, 33.5893.

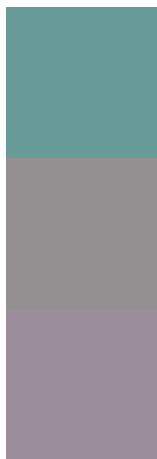


This preview shows how white text looks on a background with the XYZ color 23.0162, 28.6201,

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

23.0162, 28.6201, 33.5893

Protanopia

27.2968, 28.2868, 30.8093

Deuteranopia

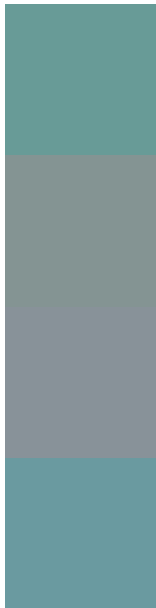
28.8752, 28.3514, 34.5223



Tritanopia

24.2462, 28.6249, 39.8446

Trichromacy



Original Color

23.0162, 28.6201, 33.5893

Protanomaly

25.3721, 28.1919, 31.7081

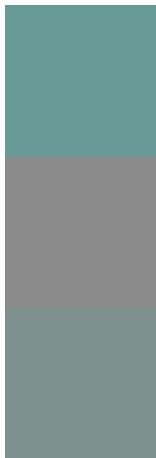
Deuteranomaly

26.1820, 28.0919, 34.1793

Tritanomaly

23.8446, 28.7134, 37.5432

Monochromacy



Original Color

23.0162, 28.6201, 33.5893

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

23.6875, 26.6696, 29.8859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0162, 28.6201, 33.5893 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, 155, 151)` looks like.

```
.text, #text, p{  
    color:rgb(104, 155, 151)  
}
```

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, 155, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 155, 151) }
```

Border

The CSS property to change the border of an element to XYZ 23.0162, 28.6201, 33.5893 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, 155, 151) }
```


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

```
.border{ border-color:rgb(104, 155, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 155, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 155, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 155, 151);  
box-shadow:4px 4px 4px 4px rgb(104, 155,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0162, 28.6201, 33.5893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 155, 151) }
```

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

```
.background{ background-color: rgb(104,  
155, 151) }
```

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