

Converting Colors

XYZ(23.4630, 29.0990, 35.9220)

Have a look what the booklet for
XYZ(23.4630, 29.0990, 35.9220)
contains.

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Color

**XYZ(23.3687, 29.0020,
35.8188)**

Conversions

Conversions Part 1

Format	Color
Hex	669C9C
RGB	102, 156, 156
RGB Percent	40%, 61%, 61%
CMY	0.6000, 0.3882, 0.3882
CMYK	0.35, 0.00, 0.00, 0.39
HSL	180°, 21%, 51%
HSV	180°, 35%, 61%
XYZ	23.3687, 29.0020, 35.8188
YIQ	139.8540, -32.1840, -11.4480

Conversions

Conversions Part 2

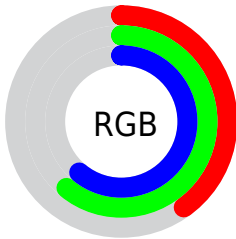
Format	Color
RYB	102, 129, 156
Decimal	6724764
CIELab	60.78, -17.73, -5.68
CIElCh	61, 18.616, 197.761
Yxy	29.0020, 0.2650, 0.3289
Android (android.graphics.Color)	4284914844 (0xFF669C9C)
YUV	139.8540, 7.9600, -33.1980
Hunter-Lab	53.8535, -16.7870, -1.7372

Details

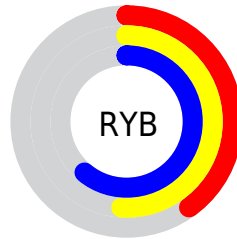
The XYZ color **23.3687, 29.0020, 35.8188** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.8609, 17.5308, 14.8557**, and the grayscale version is **24.8503, 26.1444, 28.4713**.

A 20% lighter version of the original color is **48.4447, 58.2102, 69.6552**, and **8.9666, 11.8269, 15.1748** is the 20% darker color. If you saturate the color by 10%, you get **21.7646, 28.1758, 35.7441**, and if you desaturate by 10%, it is **25.3072, 30.0020, 35.9104**.

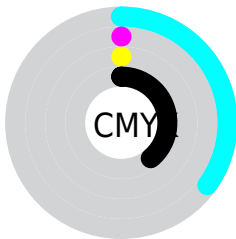
Distribution



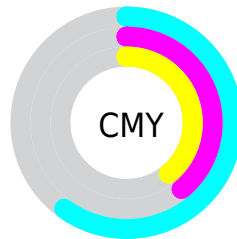
- Red (40%)
- Green (61%)
- Blue (61%)



- Red (40%)
- Yellow (51%)
- Blue (61%)



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



- Cyan (60%)
- Magenta (39%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3687, 29.0020, 35.8188 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 23.3687, 29.0020, 35.8188 by changing the saturation by 10% instead.

■ 23.3687, 29.0020,
35.8188

■ 23.3687, 29.0020,
35.8188

262.1132,
297.2244, 343.1813

■ 14.9882, 19.0823,
24.0057

■ 48.4602, 58.0803,
69.9182

■ 8.8974, 11.7298,
15.1256

■ 65.9020, 78.0076,
93.0416

■ 4.7309, 6.5600,
8.7600

■ 87.0948, 102.0397,
120.7721

■ 2.1234, 3.1885,
4.4903

■ 112.4041,
130.5609, 153.5284

■ 0.7019, 1.2309,
1.8980

142.1953,
163.9556, 191.7289

■ 0.0000, 0.0867,
0.4915

176.8336,

■ 0.0000, 0.0000,

202.6081, 235.7922

0.0000

216.6845,
246.9029, 286.1368

■ 23.3687, 29.0020,
35.8188

■ 23.3687, 29.0020,
35.8188

■ 21.7646, 28.1758,
35.7441

■ 25.3072, 30.0020,
35.9104

■ 20.4737, 27.5103,
35.6835

■ 27.5948, 31.1813,
36.0176

■ 19.4763, 26.9961,
35.6366

■ 30.2485, 32.5494,
36.1420

■ 18.7493, 26.6213,
35.6024

■ 33.2832, 34.1138,
36.2843

■ 18.2663, 26.3724,
35.5796

■ 36.7133, 35.8821,
36.4450

■ 17.9947, 26.2323,
35.5666

■ 40.5521, 37.8611,
36.6249

■ 17.8895, 26.1781,
35.5616

■ 44.8126, 40.0574,
36.8245

■ 49.5071, 42.4775,
37.0444

■ 54.6473, 45.1274,
37.2852

Harmonies

Analogous

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



23.2650, 29.0020, 28.8375



23.3687, 29.0020, 35.8188



24.5553, 29.0020, 42.5034

Triad

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



23.3687, 29.0020, 35.8188



31.1547, 29.0020, 41.4068



28.5634, 29.0020, 20.2664

Complementary

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



23.3687, 29.0020, 35.8188



20.8609, 17.5308, 14.8557

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.



30.8122, 29.0020, 22.7067



23.3687, 29.0020, 35.8188



32.3659, 29.0020, 34.4874

Square

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



23.3687, 29.0020, 35.8188



29.0090, 29.0020, 46.0400



32.2370, 29.0020, 27.6863



26.1708, 29.0020, 20.5145

Rectangle

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



23.3687, 29.0020, 35.8188



25.8422, 29.0020, 45.5837



32.2370, 29.0020, 27.6863



29.3638, 29.0020, 20.7828

Sweetspot

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



23.3696, 29.0032, 35.8195



52.1633, 57.6863, 65.5116



19.8697, 27.6150, 16.8540



11.3428, 12.6237, 14.4091



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.



23.3696, 29.0032, 35.8195



40.0064, 51.4192, 64.9414



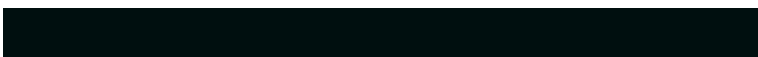
19.4504, 21.1647, 34.5138



6.8219, 7.5095, 8.4966



14.7349, 21.5619, 29.2907



0.2635, 0.3855, 0.5237

Inverse Universe

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



20.8609, 17.5308, 14.8557



34.7073, 27.1854, 20.6583



23.8418, 23.4927, 15.8489



6.6331, 6.6462, 6.9189



11.2931, 5.8218, 0.5286



0.2019, 0.1041, 0.0095

Previews

White Background



This preview shows how the XYZ color 23.3687, 29.0020, 35.8188 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 23.3687, 29.0020, 35.8188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

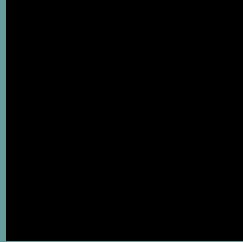
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

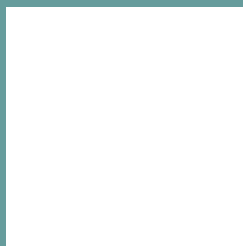
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.3687, 29.0020, 35.8188

Background



This preview shows how black text looks on a background with the XYZ color 23.3687, 29.0020, 35.8188.



This preview shows how white text looks on a background with the XYZ color 23.3687, 29.0020,

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

23.3687, 29.0020, 35.8188

Protanopia

27.8432, 28.7487, 32.9357

Deuteranopia

29.2574, 28.7192, 36.8022



Tritanopia

24.3564, 28.9045, 40.8546

Trichromacy



Original Color

23.3687, 29.0020, 35.8188

Protanomaly

25.7750, 28.5872, 33.8652

Deuteranomaly

26.5969, 28.4870, 36.4445

Tritanomaly

24.0411, 29.0301, 38.9866

Monochromacy



Original Color

23.3687, 29.0020, 35.8188

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.0714, 27.0687, 31.1502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3687, 29.0020, 35.8188 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(102, 156, 156)` looks like.

```
.text, #text, p{  
    color:rgb(102, 156, 156)  
}
```

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(102, 156, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 156, 156) }
```

Border

The CSS property to change the border of an element to XYZ 23.3687, 29.0020, 35.8188 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(102, 156, 156) }
```


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

```
.border{ border-color:rgb(102, 156, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 156, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 156, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 156, 156);  
box-shadow:4px 4px 4px 4px rgb(102, 156,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3687, 29.0020, 35.8188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 156, 156) }
```

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

```
.background{ background-color: rgb(102,  
156, 156) }
```

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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