

Converting Colors

XYZ(23.6368, 29.4504, 36.2753)

Have a look what the booklet for
XYZ(23.6368, 29.4504, 36.2753)
contains.

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Color

**XYZ(23.6223, 29.3730,
36.3228)**

Conversions

Conversions Part 1

Format	Color
Hex	669D9D
RGB	102, 157, 157
RGB Percent	40%, 62%, 62%
CMY	0.6000, 0.3843, 0.3843
CMYK	0.35, 0.00, 0.00, 0.38
HSL	180°, 22%, 51%
HSV	180°, 35%, 62%
XYZ	23.6223, 29.3730, 36.3228
YIQ	140.5550, -32.7800, -11.6600

Conversions

Conversions Part 2

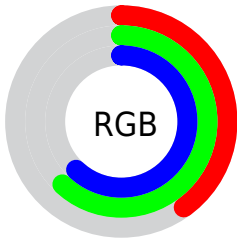
Format	Color
R_{YB}	102, 130, 157
Decimal	6725021
CIE _{Lab}	61.11, -18.01, -5.76
CIE _{LCh}	61, 18.905, 197.743
Yxy	29.3730, 0.2645, 0.3289
Android (android.graphics.Color)	4284915101 (0xFF669D9D)
YUV	140.5550, 8.1074, -33.8127
Hunter-Lab	54.1969, -17.0433, -1.7984

Details

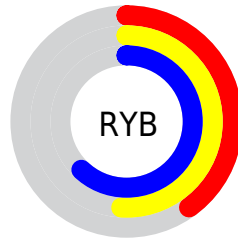
The XYZ color **23.6223, 29.3730, 36.3228** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.0553, 17.6311, 14.8650**, and the grayscale version is **25.1226, 26.4309, 28.7833**.

A 20% lighter version of the original color is **48.9447, 58.8090, 71.0590**, and **9.0709, 12.0268, 15.4790** is the 20% darker color. If you saturate the color by 10%, you get **22.0090, 28.5420, 36.2477**, and if you desaturate by 10%, it is **25.5744, 30.3800, 36.4150**.

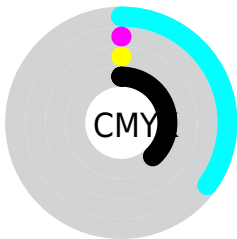
Distribution



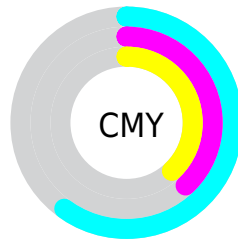
- Red (40%)
- Green (62%)
- Blue (62%)



- Red (40%)
- Yellow (51%)
- Blue (62%)



- Cyan (35%)
- Magenta (0%)
- Yellow (0%)
- Black (38%)



- Cyan (60%)
- Magenta (38%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6223, 29.3730, 36.3228 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 23.6223, 29.3730, 36.3228 by changing the saturation by 10% instead.

■ 23.6223, 29.3730,
36.3228

■ 23.6223, 29.3730,
36.3228

263.3814,
298.9708, 345.4492

■ 15.1769, 19.3632,
24.3919

■ 48.8723, 58.6692,
70.7047

■ 9.0308, 11.9330,
15.4097

■ 66.4076, 78.7243,
93.9927

■ 4.8185, 6.6981,
8.9576

■ 87.7037, 102.8967,
121.9036

■ 2.1748, 3.2740,
4.6171

■ 113.1257,
131.5707, 154.8559

■ 0.7294, 1.2764,
1.9696

143.0391,
165.1307, 193.2680

■ 0.0000, 0.1228,
0.5365

177.8093,

■ 0.0000, 0.0000,

203.9612, 237.5586

0.0000

217.8016,
248.4464, 288.1462

■ 23.6223, 29.3730,
36.3228

■ 23.6223, 29.3730,
36.3228

■ 22.0090, 28.5420,
36.2477

■ 25.5744, 30.3800,
36.4150

■ 20.7127, 27.8738,
36.1869

■ 27.8801, 31.5687,
36.5231

■ 19.7134, 27.3586,
36.1399

■ 30.5568, 32.9486,
36.6486

■ 18.9875, 26.9844,
36.1057

■ 33.6198, 34.5276,
36.7921

■ 18.5081, 26.7373,
36.0831

■ 37.0836, 36.3132,
36.9544

■ 18.2407, 26.5995,
36.0704

■ 40.9618, 38.3125,
37.1361

■ 18.1431, 26.5491,
36.0657

■ 45.2676, 40.5322,
37.3378

■ 50.0135, 42.9788,
37.5601

■ 55.2114, 45.6584,
37.8036

Harmonies

Analogous

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



23.5169, 29.3730, 29.1724



23.6223, 29.3730, 36.3228



24.8357, 29.3730, 43.1801

Triad

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



23.6223, 29.3730, 36.3228



31.5946, 29.3730, 42.0618



28.9417, 29.3730, 20.4167

Complementary

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



23.6223, 29.3730, 36.3228



21.0553, 17.6311, 14.8650

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.



31.2457, 29.3730, 22.9098



23.6223, 29.3730, 36.3228



32.8369, 29.3730, 34.9669

Square

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



23.6223, 29.3730, 36.3228



29.3953, 29.3730, 46.8157



32.7056, 29.3730, 28.0020



26.4914, 29.3730, 20.6684

Rectangle

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



23.6223, 29.3730, 36.3228



26.1524, 29.3730, 46.3436



32.7056, 29.3730, 28.0020



29.7616, 29.3730, 20.9443

Sweetspot

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



23.6232, 29.3742, 36.3235



51.6795, 57.4369, 65.4890



20.0402, 27.9530, 16.9104



11.2445, 12.5731, 14.4045



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.



23.6232, 29.3742, 36.3235



40.0064, 51.4192, 64.9415



19.6044, 21.3365, 34.9846



6.8219, 7.5095, 8.4966



14.7349, 21.5619, 29.2908



0.2635, 0.3855, 0.5237

Inverse Universe

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



21.0553, 17.6311, 14.8650



34.7072, 27.1854, 20.6582



24.0994, 23.7195, 15.8793



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 23.6223, 29.3730, 36.3228 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 23.6223, 29.3730, 36.3228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

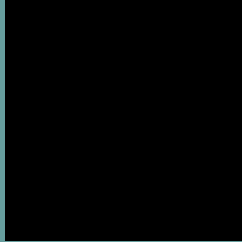
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.6223, 29.3730, 36.3228

Background



This preview shows how black text looks on a background with the XYZ color 23.6223, 29.3730, 36.3228.

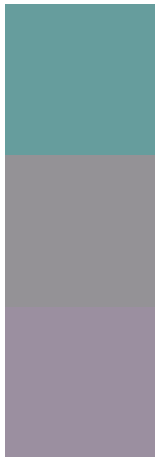


This preview shows how white text looks on a background with the XYZ color 23.6223, 29.3730,

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

23.6223, 29.3730, 36.3228

Protanopia

27.9966, 29.0557, 32.9869

Deuteranopia

29.6852, 29.1515, 37.3199



Tritanopia

24.6149, 29.2731, 41.3987

Trichromacy



Original Color

23.6223, 29.3730, 36.3228

Protanomaly

26.0162, 28.9379, 34.3514

Deuteranomaly

27.0013, 28.9173, 36.9594

Tritanomaly

24.2982, 29.4003, 39.5161

Monochromacy



Original Color

23.6223, 29.3730, 36.3228

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.4526, 27.4860, 31.6203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6223, 29.3730, 36.3228 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, 157, 157)` looks like.

```
.text, #text, p{  
    color:rgb(102, 157, 157)  
}
```

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, 157, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 157, 157) }
```

Border

The CSS property to change the border of an element to XYZ 23.6223, 29.3730, 36.3228 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, 157, 157) }
```


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

```
.border{ border-color:rgb(102, 157, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 157, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 157, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 157, 157);  
box-shadow:4px 4px 4px 4px rgb(102, 157,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6223, 29.3730, 36.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 157, 157) }
```

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

```
.background{ background-color: rgb(102,  
157, 157) }
```

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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