

Converting Colors

XYZ(23.5639, 29.0370, 5.3460)

Have a look what the booklet for
XYZ(23.5639, 29.0370, 5.3460)
contains.

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Color

**XYZ(23.6103, 29.0601,
5.3420)**

Conversions

Conversions Part 1

Format	Color
Hex	93991A
RGB	147, 153, 26
RGB Percent	58%, 60%, 10%
CMY	0.4235, 0.4000, 0.8980
CMYK	0.04, 0.00, 0.83, 0.40
HSL	63°, 71%, 35%
HSV	63°, 83%, 60%
XYZ	23.6103, 29.0601, 5.3420
YIQ	136.7280, 37.1910, -40.7690

Conversions

Conversions Part 2

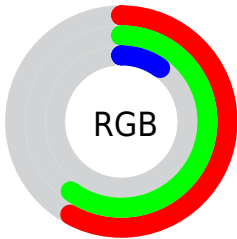
Format	Color
RYB	26, 153, 32
Decimal	9672986
CIELab	60.83, -16.87, 59.26
CIELCh	61, 61.612, 105.895
Yxy	29.0601, 0.4070, 0.5009
Android (android.graphics.Color)	4287863066 (0xFF93991A)
YUV	136.7280, -54.5889, 9.0085
Hunter-Lab	53.9074, -16.1588, 31.8598

Details

The XYZ color **23.6103, 29.0601, 5.3420** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.7156, 3.3463, 30.4308**, and the grayscale version is **23.8657, 25.1085, 27.3432**.

A 20% lighter version of the original color is **48.8149, 58.1031, 17.0297**, and **9.1650, 11.7781, 1.7903** is the 20% darker color. If you saturate the color by 10%, you get **23.3538, 28.9437, 4.6635**, and if you desaturate by 10%, it is **23.9602, 29.2162, 6.5024**.

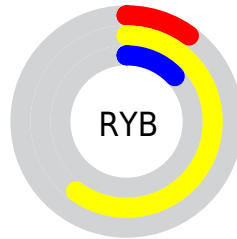
Distribution



Red (58%)

Green (60%)

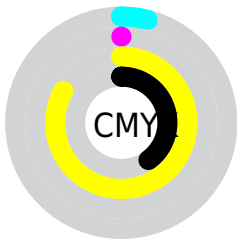
Blue (10%)



Red (10%)

Yellow (60%)

Blue (13%)

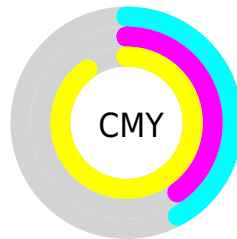


Cyan (4%)

Magenta (0%)

Yellow (83%)

Black (40%)



Cyan (42%)

Magenta (40%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6103, 29.0601, 5.3420 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 23.6103, 29.0601, 5.3420 by changing the saturation by 10% instead.

■ 23.6103, 29.0601,
5.3420

■ 23.6103, 29.0601,
5.3420

263.3215,
297.4984, 162.1427

■ 15.1680, 19.1263,
2.3871

■ 48.8528, 58.1726,
17.0025

■ 9.0244, 11.7616,
0.7794

■ 66.3837, 78.1200,
26.5452

■ 4.8144, 6.5815,
0.0000

■ 87.6749, 102.1741,
39.1208

■ 2.1724, 3.2018,
0.0000

■ 113.0916,
130.7193, 55.1480

■ 0.7281, 1.2380,
0.0000

■ 142.9993,
164.1399, 75.0452

■ 0.0000, 0.0924,
0.0000

■ 177.7632,

■ 0.0000, 0.0000,

202.8204, 99.2310

0.0000

217.7489,
247.1451, 128.1240

■ 23.6103, 29.0601,
5.3420

■ 23.6103, 29.0601,
5.3420

■ 23.3538, 28.9437,
4.6635

■ 23.9602, 29.2162,
6.5024

■ 23.2051, 28.8738,
4.3502

■ 24.4143, 29.4129,
8.2101

■ 24.9840, 29.6561,
10.5224

■ 25.6787, 29.9493,
13.4887

■ 26.5069, 30.2959,
17.1534

■ 27.4763, 30.6992,
21.5572

■ 28.5939, 31.1618,
26.7374

■ 29.8663, 31.6865,
32.7290

■ 31.3000, 32.2758,
39.5647

Harmonies

Analogous

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



31.5504, 29.0601, 5.2337



23.6103, 29.0601, 5.3420



17.9643, 29.0601, 9.7879

Triad

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



23.6103, 29.0601, 5.3420



18.2212, 29.0601, 75.1090



45.4312, 29.0601, 43.6660

Complementary

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



23.6103, 29.0601, 5.3420



6.7156, 3.3463, 30.4308

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.



40.2346, 29.0601, 73.3869



23.6103, 29.0601, 5.3420



24.0318, 29.0601, 96.6768

Square

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



23.6103, 29.0601, 5.3420



15.2892, 29.0601, 45.3383



32.0614, 29.0601, 95.9271



45.2577, 29.0601, 21.0250

Rectangle

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



23.6103, 29.0601, 5.3420



15.8038, 29.0601, 16.8188



32.0614, 29.0601, 95.9271



44.2167, 29.0601, 53.3140

Sweetspot

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



23.6110, 29.0614, 5.3426



48.7472, 54.7859, 36.5126



13.7945, 7.7880, 1.7538



10.6392, 12.0454, 7.4951



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.



23.6110, 29.0614, 5.3426



41.5098, 51.6832, 7.7880



15.3495, 24.8025, 4.9560



6.6800, 7.2080, 6.6451



19.1855, 23.8664, 3.5955



0.2944, 0.3607, 0.0541

Inverse Universe

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



6.7156, 3.3463, 30.4308



10.4149, 4.1796, 54.2298



10.7089, 5.4049, 30.6177



5.9102, 6.0396, 7.7832



4.8351, 1.9436, 25.0280



0.0786, 0.0323, 0.3745

Previews

White Background



This preview shows how the XYZ color 23.6103, 29.0601, 5.3420 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 23.6103, 29.0601, 5.3420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

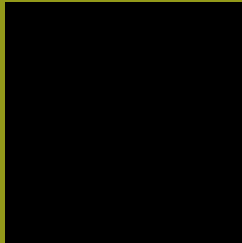
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.6103, 29.0601, 5.3420

Background



This preview shows how black text looks on a background with the XYZ color 23.6103, 29.0601, 5.3420.



This preview shows how white text looks on a background with the XYZ color 23.6103, 29.0601,

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

23.6103, 29.0601, 5.3420

Protanopia

26.1156, 28.9327, 5.0723

Deuteranopia

29.5436, 28.9009, 5.6114



Tritanopia

29.4104, 28.8472, 34.5898

Trichromacy



Original Color

23.6103, 29.0601, 5.3420

Protanomaly

25.0235, 28.8342, 5.1664

Deuteranomaly

27.0286, 28.7087, 5.4833

Tritanomaly

26.0696, 28.3916, 18.0160

Monochromacy



Original Color

23.6103, 29.0601, 5.3420

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

22.9646, 26.1707, 15.1503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6103, 29.0601, 5.3420 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(147, 153, 26)` looks like.

```
.text, #text, p{  
    color:rgb(147, 153, 26)  
}
```

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(147, 153, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 153, 26) }
```

Border

The CSS property to change the border of an element to XYZ 23.6103, 29.0601, 5.3420 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(147, 153, 26) }
```


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

```
.border{ border-color:rgb(147, 153, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 153, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 153, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 153, 26);  
box-shadow:4px 4px 4px 4px rgb(147, 153,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6103, 29.0601, 5.3420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 153, 26) }
```

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

```
.background{ background-color: rgb(147,  
153, 26) }
```

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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