

Converting Colors

XYZ(23.9646, 30.0143, 5.2689)

Have a look what the booklet for
XYZ(23.9646, 30.0143, 5.2689)
contains.

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Color

**XYZ(23.8873, 29.9459,
5.2802)**

Conversions

Conversions Part 1

Format	Color
Hex	929C16
RGB	146, 156, 22
RGB Percent	57%, 61%, 9%
CMY	0.4275, 0.3882, 0.9137
CMYK	0.06, 0.00, 0.86, 0.39
HSL	64°, 75%, 35%
HSV	64°, 86%, 61%
XYZ	23.8873, 29.9459, 5.2802
YIQ	137.7340, 37.0540, -43.7940

Conversions

Conversions Part 2

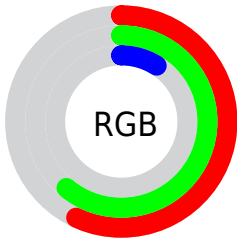
Format	Color
R_{YB}	22, 156, 32
Decimal	9608214
CIE _{Lab}	61.61, -18.98, 60.87
CIE _{LCh}	62, 63.763, 107.318
Yxy	29.9459, 0.4041, 0.5066
Android (android.graphics.Color)	4287798294 (0xFF929C16)
YUV	137.7340, -57.0569, 7.2493
Hunter-Lab	54.7228, -17.8472, 32.5851

Details

The XYZ color **23.8873, 29.9459, 5.2802** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.8843, 3.2819, 31.7251**, and the grayscale version is **24.2576, 25.5209, 27.7923**.

A 20% lighter version of the original color is **49.1982, 59.3989, 16.8548**, and **9.3660, 12.3273, 1.8858** is the 20% darker color. If you saturate the color by 10%, you get **23.5722, 29.7971, 4.6930**, and if you desaturate by 10%, it is **24.2948, 30.1341, 6.3367**.

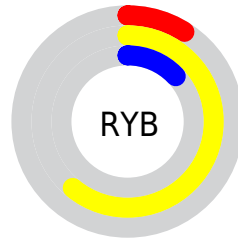
Distribution



Red (57%)

Green (61%)

Blue (9%)



Red (9%)

Yellow (61%)

Blue (13%)

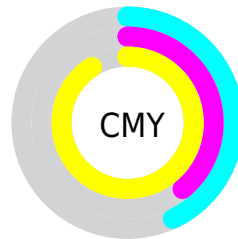


Cyan (6%)

Magenta (0%)

Yellow (86%)

Black (39%)



Cyan (43%)

Magenta (39%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8873, 29.9459, 5.2802 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 23.8873, 29.9459, 5.2802 by changing the saturation by 10% instead.

■ 23.8873, 29.9459,
5.2802

■ 23.8873, 29.9459,
5.2802

264.7013,
301.6522, 161.5398

■ 15.3743, 19.7975,
2.3510

■ 49.3022, 59.5766,
16.8686

■ 9.1705, 12.2480,
0.7596

■ 66.9349, 79.8277,
26.3649

■ 4.9106, 6.9128,
0.0000

■ 88.3382, 104.2152,
38.8873

■ 2.2291, 3.4076,
0.0000

■ 113.8775,
133.1235, 54.8543

■ 0.7580, 1.3481,
0.0000

■ 143.9180,
166.9370, 74.6846

■ 0.0000, 0.1780,
0.0000

■ 178.8253,

■ 0.0000, 0.0000,

206.0400, 98.7965

0.0000

218.9646,
250.8169, 127.6087

■ 23.8873, 29.9459,
5.2802

■ 23.8873, 29.9459,
5.2802

■ 23.5722, 29.7971,
4.6930

■ 24.2948, 30.1341,
6.3367

■ 23.4530, 29.7398,
4.5042

■ 24.8089, 30.3640,
7.9466

■ 25.4422, 30.6418,
10.1727

■ 26.2047, 30.9716,
13.0688

■ 27.1058, 31.3571,
16.6830

■ 28.1536, 31.8015,
21.0589

■ 29.3558, 32.3079,
26.2365

■ 30.7196, 32.8792,
32.2534

■ 32.2514, 33.5179,
39.1444

Harmonies

Analogous

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



32.1875, 29.9459, 4.9955



23.8873, 29.9459, 5.2802



18.0959, 29.9459, 10.1148

Triad

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



23.8873, 29.9459, 5.2802



18.7931, 29.9459, 80.2794



47.4778, 29.9459, 43.9472

Complementary

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



23.8873, 29.9459, 5.2802



6.8843, 3.2819, 31.7251

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.



42.1827, 29.9459, 75.5146



23.8873, 29.9459, 5.2802



25.0370, 29.9459, 102.5015

Square

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



23.8873, 29.9459, 5.2802



15.5804, 29.9459, 48.5435



33.5879, 29.9459, 100.4212



47.0000, 29.9459, 20.6053

Rectangle

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



23.8873, 29.9459, 5.2802



15.9316, 29.9459, 17.7319



33.5879, 29.9459, 100.4212



46.2760, 29.9459, 54.0860

Sweetspot

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



23.8880, 29.9473, 5.2808



51.0055, 57.7036, 37.7108



14.3445, 8.1032, 1.5675



11.0846, 12.6385, 7.7127



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.



23.8880, 29.9473, 5.2808



42.5215, 53.9748, 8.1771



15.3485, 25.5450, 4.8812



7.1213, 7.6952, 7.0956



19.3297, 24.5015, 3.7105



0.3586, 0.4448, 0.0670

Inverse Universe

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



6.8843, 3.2819, 31.7251



11.0999, 4.4632, 57.4032



11.3186, 5.5679, 31.9326



6.3284, 6.4577, 8.3196



5.0764, 2.0460, 26.0346



0.1027, 0.0427, 0.4661

Previews

White Background



This preview shows how the XYZ color 23.8873, 29.9459, 5.2802 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 23.8873, 29.9459, 5.2802 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 23.8873, 29.9459, 5.2802

Background



This preview shows how black text looks on a background with the XYZ color 23.8873, 29.9459, 5.2802.



This preview shows how white text looks on a background with the XYZ color 23.8873, 29.9459,

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

23.8873, 29.9459, 5.2802

Protanopia

27.0222, 29.8702, 5.0031

Deuteranopia

30.2929, 29.7244, 5.5796



Tritanopia

30.1158, 29.8532, 36.0733

Trichromacy



Original Color

23.8873, 29.9459, 5.2802

Protanomaly

25.8608, 29.9842, 5.1340

Deuteranomaly

27.5139, 29.4171, 5.3903

Tritanomaly

26.5911, 29.3499, 18.4510

Monochromacy



Original Color

23.8873, 29.9459, 5.2802

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

23.2212, 26.7580, 15.0073

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8873, 29.9459, 5.2802 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(146, 156, 22)` looks like.

```
.text, #text, p{  
    color:rgb(146, 156, 22)  
}
```

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(146, 156, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 156, 22) }
```

Border

The CSS property to change the border of an element to XYZ 23.8873, 29.9459, 5.2802 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(146, 156, 22) }
```


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

```
.border{ border-color:rgb(146, 156, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 156, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 156, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 156, 22);  
box-shadow:4px 4px 4px 4px rgb(146, 156,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8873, 29.9459, 5.2802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 156, 22) }
```

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

```
.background{ background-color: rgb(146,  
156, 22) }
```

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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