

Converting Colors

XYZ(23.8978, 29.4237, 49.4761)

Have a look what the booklet for
XYZ(23.8978, 29.4237, 49.4761)
contains.

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Color

**XYZ(23.9160, 29.4923,
49.2318)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 4E9EB7 |
| RGB | 78, 158, 183 |
| RGB Percent | 31%, 62%, 72% |
| CMY | 0.6941, 0.3804, 0.2823 |
| CMYK | 0.57, 0.14, 0.00, 0.28 |
| HSL | 194°, 42%, 51% |
| HSV | 194°, 57%, 72% |
| XYZ | 23.9160, 29.4923, 49.2318 |
| YIQ | 136.9300, -55.7050, -9.1850 |

Conversions

Conversions Part 2

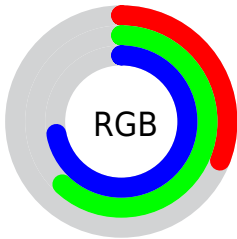
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 78, 123, 183 |
| Decimal | 5152439 |
| CIE _{Lab} | 61.21, -17.16, -20.38 |
| CIE _{LCh} | 61, 26.640, 229.906 |
| Yxy | 29.4923, 0.2330, 0.2873 |
| Android (android.graphics.Color) | 4283342519 (0xFF4E9EB7) |
| YUV | 136.9300, 22.7125, -51.6816 |
| Hunter-Lab | 54.3068, -16.4279, -15.7345 |

Details

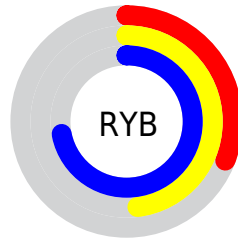
The XYZ color **23.9160, 29.4923, 49.2318** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **25.7547, 20.3189, 9.7733**, and the grayscale version is **23.6844, 24.9178, 27.1355**.

A 20% lighter version of the original color is **49.3659, 58.9714, 90.4421**, and **9.2870, 12.1271, 22.9704** is the 20% darker color. If you saturate the color by 10%, you get **21.8902, 27.3647, 48.9285**, and if you desaturate by 10%, it is **26.3872, 31.8898, 49.5649**.

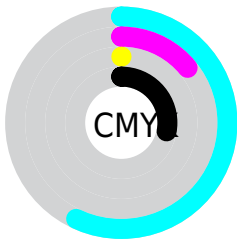
Distribution



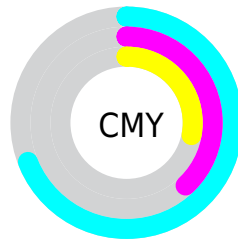
- Red (31%)
- Green (62%)
- Blue (72%)



- Red (31%)
- Yellow (48%)
- Blue (72%)



- Cyan (57%)
- Magenta (14%)
- Yellow (0%)
- Black (28%)



- Cyan (69%)
- Magenta (38%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9160, 29.4923, 49.2318 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 23.9160, 29.4923, 49.2318 by changing the saturation by 10% instead.

■ 23.9160, 29.4923,
49.2318

■ 23.9160, 29.4923,
49.2318

264.8439,
299.5307, 400.3028

■ 15.3957, 19.4536,
34.4365

■ 49.3488, 58.8583,
90.4202

■ 9.1857, 11.9985,
22.9491

■ 66.9920, 78.9544,
117.6503

■ 4.9206, 6.7426,
14.3509

■ 88.4068, 103.1718,
149.8625

■ 2.2350, 3.3017,
8.2236

■ 113.9587,
131.8947, 187.4753

■ 0.7611, 1.2912,
4.1486

■ 144.0131,
165.5077, 230.9071

■ 0.0000, 0.1344,
1.7072

178.9351,

■ 0.0000, 0.0000,

204.3951, 280.5767

0.3657

219.0903,
248.9413, 336.9024

■ 0.0000, 0.0000,
0.0000

■ 23.9160, 29.4923,
49.2318

■ 23.9160, 29.4923,
49.2318

■ 21.8902, 27.3647,
48.9285

■ 26.3872, 31.8898,
49.5649

■ 20.2711, 25.4849,
48.6509

■ 29.3327, 34.5708,
49.9271

■ 19.0180, 23.8321,
48.3980

■ 32.7822, 37.5515,
50.3206

■ 18.0697, 22.3743,
48.1666

■ 36.7621, 40.8459,
50.7467

■ 17.8423, 22.0089,
48.1080

■ 41.2968, 44.4670,
51.2067

■ 46.4093, 48.4270,
51.7016

■ 52.1211, 52.7373,
52.2325

■ 58.4528, 57.4090,
52.8005

■ 65.4237, 62.4523,
53.4066

Harmonies

Analogous

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



22.1669, 29.4923, 39.1329



23.9160, 29.4923, 49.2318



26.8683, 29.4923, 55.0759

Triad

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



23.9160, 29.4923, 49.2318



35.1945, 29.4923, 35.6107



25.8017, 29.4923, 17.1828

Complementary

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



23.9160, 29.4923, 49.2318



25.7547, 20.3189, 9.7733

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.



29.2279, 29.4923, 16.6265



23.9160, 29.4923, 49.2318



34.8488, 29.4923, 25.9856

Square

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



23.9160, 29.4923, 49.2318



33.5025, 29.4923, 46.1966



32.5941, 29.4923, 19.5073



23.1912, 29.4923, 21.2278

Rectangle

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



23.9160, 29.4923, 49.2318



29.2055, 29.4923, 55.0917



32.5941, 29.4923, 19.5073



26.8895, 29.4923, 16.6194

Sweetspot

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



23.9169, 29.4934, 49.2325



65.9107, 73.2114, 90.8931



22.4994, 36.4567, 18.5530



14.2258, 15.8996, 20.0408



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.9169, 29.4934, 49.2325



38.3325, 48.0350, 87.4871



16.8442, 15.3478, 46.8749



9.0806, 9.8384, 11.4998



12.5019, 15.4635, 33.5789



0.4852, 0.6342, 1.1986

Inverse Universe

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



28.4252, 17.9857, 34.3222



47.6068, 26.9496, 56.2337



32.6257, 34.0610, 12.0636



9.2870, 9.1252, 10.8589



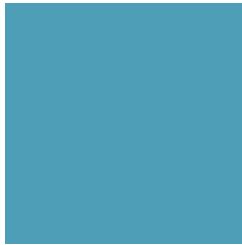
16.9241, 8.3434, 18.0188



0.6191, 0.3031, 0.7535

Previews

White Background



This preview shows how the XYZ color 23.9160, 29.4923, 49.2318 looks on a white background.

Color Contrast Check

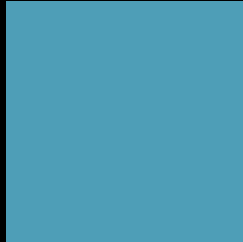
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9160, 29.4923, 49.2318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

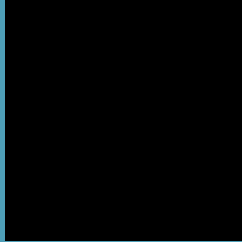
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.9160, 29.4923, 49.2318

Background



This preview shows how black text looks on a background with the XYZ color 23.9160, 29.4923, 49.2318.



This preview shows how white text looks on a background with the XYZ color 23.9160, 29.4923,

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

23.9160, 29.4923, 49.2318

Protanopia

28.9034, 29.2765, 44.1720

Deuteranopia

29.8207, 29.1544, 50.5100



Tritanopia

22.9377, 29.6146, 44.0424

Trichromacy



Original Color

23.9160, 29.4923, 49.2318

Protanomaly

26.3134, 28.8386, 45.7745

Deuteranomaly

26.9756, 28.8492, 50.0456

Tritanomaly

23.2356, 29.4665, 46.0579

Monochromacy



Original Color

23.9160, 29.4923, 49.2318

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.1606, 26.2969, 34.4270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9160, 29.4923, 49.2318 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(78, 158, 183)` looks like.

```
.text, #text, p{  
    color:rgb(78, 158, 183)  
}
```

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(78, 158, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 158, 183) }
```

Border

The CSS property to change the border of an element to XYZ 23.9160, 29.4923, 49.2318 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(78, 158, 183) }
```


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

```
.border{ border-color:rgb(78, 158, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 158, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 158, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 158, 183);  
box-shadow:4px 4px 4px 4px rgb(78, 158,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9160, 29.4923, 49.2318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 158, 183) }
```

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

```
.background{ background-color: rgb(78, 158,  
183) }
```

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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