

Converting Colors

XYZ(24.8799, 29.7435, 60.2120)

Have a look what the booklet for
XYZ(24.8799, 29.7435, 60.2120)
contains.

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Color

**XYZ(24.8741, 29.7421,
60.3069)**

Conversions

Conversions Part 1

Format	Color
Hex	3E9ECA
RGB	62, 158, 202
RGB Percent	24%, 62%, 79%
CMY	0.7568, 0.3804, 0.2078
CMYK	0.69, 0.22, 0.00, 0.21
HSL	199°, 57%, 52%
HSV	199°, 69%, 79%
XYZ	24.8741, 29.7421, 60.3069
YIQ	134.3120, -71.3400, -6.6680

Conversions

Conversions Part 2

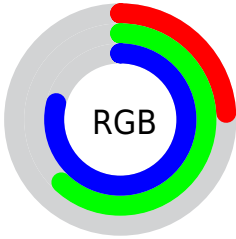
Format	Color
R _Y B	62, 119, 202
Decimal	4103882
CIE Lab	61.43, -13.93, -30.75
CIE LCh	61, 33.756, 245.620
Yxy	29.7421, 0.2164, 0.2588
Android (android.graphics.Color)	4282293962 (0xFF3E9ECA)
YUV	134.3120, 33.3702, -63.4176
Hunter-Lab	54.5363, -14.0244, -27.3882

Details

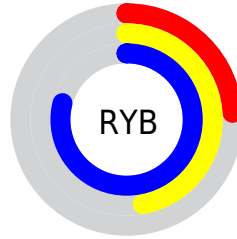
The XYZ color **24.8741, 29.7421, 60.3069** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **30.3819, 23.2141, 7.4381**, and the grayscale version is **22.6758, 23.8567, 25.9799**.

A 20% lighter version of the original color is **50.3017, 59.1685, 103.3772**, and **10.6030, 12.6535, 29.9005** is the 20% darker color. If you saturate the color by 10%, you get **22.7798, 27.0966, 59.9072**, and if you desaturate by 10%, it is **27.4969, 32.7442, 60.7487**.

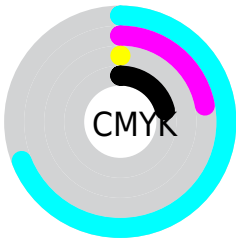
Distribution



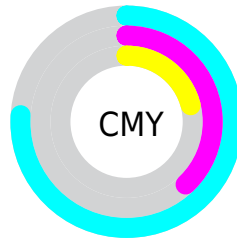
- Red (24%)
- Green (62%)
- Blue (79%)



- Red (24%)
- Yellow (47%)
- Blue (79%)



- Cyan (69%)
- Magenta (22%)
- Yellow (0%)
- Black (21%)



- Cyan (76%)
- Magenta (38%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8741, 29.7421, 60.3069 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 24.8741, 29.7421, 60.3069 by changing the saturation by 10% instead.

■ 24.8741, 29.7421,
60.3069

■ 24.8741, 29.7421,
60.3069

269.5696,
300.7005, 443.5641

■ 16.1115, 19.6429,
43.2391

■ 50.8973, 59.2541,
106.8225

■ 9.6944, 12.1357,
29.7400

■ 68.8886, 79.4357,
137.1073

■ 5.2575, 6.8362,
19.3909

■ 90.6868, 103.7469,
172.6350

■ 2.4355, 3.3599,
11.7734

■ 116.6573,
132.5720, 213.8240

■ 0.8628, 1.3224,
6.4689

■ 147.1655,
166.2956, 261.0929

■ 0.0000, 0.1584,
3.0589

182.5767,

■ 0.0000, 0.0000,

205.3019, 314.8601

1.1248

223.2563,
249.9754, 375.5444

■ 0.0000, 0.0000,
0.0000

■ 24.8741, 29.7421,
60.3069

■ 24.8741, 29.7421,
60.3069

■ 22.7798, 27.0966,
59.9072

■ 27.4969, 32.7442,
60.7487

■ 21.1551, 24.7745,
59.5447

■ 30.6929, 36.1255,
61.2329

■ 19.9046, 22.7258,
59.2151

■ 34.5050, 39.9099,
61.7625

■ 19.8231, 22.5889,
59.1930

■ 38.9709, 44.1179,
62.3393

■ 44.1253, 48.7687,
62.9653

■ 50.0002, 53.8798,
63.6422

■ 56.6256, 59.4678,
64.3716

■ 64.0297, 65.5482,
65.1550

■ 72.2391, 72.1360,
65.9939

Harmonies

Analogous

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



21.8540, 29.7421, 48.9010



24.8741, 29.7421, 60.3069



29.1173, 29.7421, 63.4986

Triad

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



24.8741, 29.7421, 60.3069



37.6931, 29.7421, 30.0376



23.5620, 29.7421, 16.2385

Complementary

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



24.8741, 29.7421, 60.3069



30.3819, 23.2141, 7.4381

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.



27.4373, 29.7421, 13.5729



24.8741, 29.7421, 60.3069



35.8305, 29.7421, 20.0808

Square

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



24.8741, 29.7421, 60.3069



36.8233, 29.7421, 43.6194



31.9595, 29.7421, 14.7670



21.1541, 29.7421, 23.2655

Rectangle

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



24.8741, 29.7421, 60.3069



32.1424, 29.7421, 59.9675



31.9595, 29.7421, 14.7670



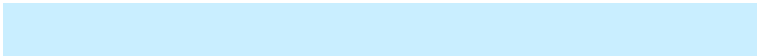
24.7200, 29.7421, 14.9005

Sweetspot

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



24.8751, 29.7432, 60.3076



72.8825, 80.9478, 106.3909



25.6069, 44.2655, 20.2928



15.0655, 16.8470, 22.7077



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



24.8751, 29.7432, 60.3076



37.1469, 43.9130, 101.1259



16.3046, 12.6022, 57.4508



11.2343, 12.1091, 14.3155



12.8386, 14.7011, 38.1172



0.7284, 0.8905, 1.9884

Inverse Universe

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



32.2522, 18.4715, 34.2142



51.2456, 26.6649, 50.2945



40.3636, 43.1776, 10.7653



11.5316, 11.3414, 13.3342



18.6912, 9.2871, 16.6245



0.9976, 0.4924, 1.0332

Previews

White Background



This preview shows how the XYZ color 24.8741, 29.7421, 60.3069 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 24.8741, 29.7421, 60.3069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

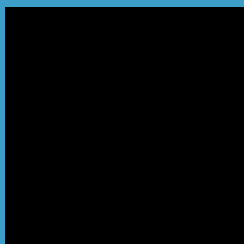
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

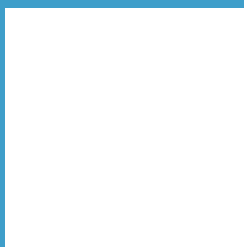
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8741, 29.7421, 60.3069

Background



This preview shows how black text looks on a background with the XYZ color 24.8741, 29.7421, 60.3069.

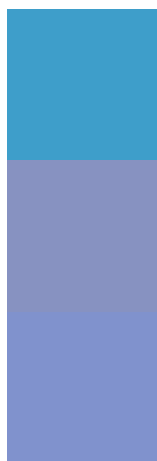


This preview shows how white text looks on a background with the XYZ color 24.8741, 29.7421,

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

24.8741, 29.7421, 60.3069

Protanopia

29.8962, 29.5589, 54.5818

Deuteranopia

30.2004, 29.5547, 61.8705



Tritanopia

22.0159, 29.8869, 45.6827

Trichromacy



Original Color

24.8741, 29.7421, 60.3069

Protanomaly

27.0545, 28.9864, 56.3936

Deuteranomaly

27.5143, 29.1154, 61.2964

Tritanomaly

22.8671, 29.6963, 50.4257

Monochromacy



Original Color

24.8741, 29.7421, 60.3069

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.2648, 25.3363, 36.5178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8741, 29.7421, 60.3069 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(62, 158, 202)` looks like.

```
.text, #text, p{  
    color:rgb(62, 158, 202)  
}
```

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(62, 158, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 158, 202) }
```

Border

The CSS property to change the border of an element to XYZ 24.8741, 29.7421, 60.3069 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(62, 158, 202) }
```


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

```
.border{ border-color:rgb(62, 158, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 158, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 158, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 158, 202);  
box-shadow:4px 4px 4px 4px rgb(62, 158,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8741, 29.7421, 60.3069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 158, 202) }
```

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

```
.background{ background-color: rgb(62, 158,  
202) }
```

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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