

Converting Colors

XYZ(24.9107, 31.0254, 61.8023)

Have a look what the booklet for
XYZ(24.9107, 31.0254, 61.8023)
contains.

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Color

**XYZ(24.9107, 31.0254,
61.8023)**

Conversions

Conversions Part 1

Format	Color
Hex	29A3CC
RGB	41, 163, 204
RGB Percent	16%, 64%, 80%
CMY	0.8392, 0.3608, 0.2000
CMYK	0.80, 0.20, 0.00, 0.20
HSL	195°, 67%, 48%
HSV	195°, 80%, 80%
XYZ	24.9107, 31.0254, 61.8023
YIQ	131.1960, -85.8730, -13.1130

Conversions

Conversions Part 2

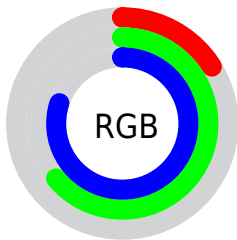
Format	Color
R_{YB}	41, 111, 204
Decimal	2728908
CIE _{Lab}	62.53, -18.51, -30.20
CIE _{LCh}	63, 35.420, 238.494
Yxy	31.0254, 0.2116, 0.2635
Android (android.graphics.Color)	4280918988 (0xFF29A3CC)
YUV	131.1960, 35.8924, -79.1019
Hunter-Lab	55.7004, -17.6459, -26.7948

Details

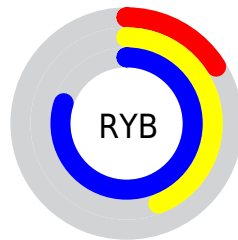
The XYZ color **24.9107, 31.0254, 61.8023** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **28.3209, 19.0342, 4.2804**, and the grayscale version is **21.5430, 22.6649, 24.6820**.

A 20% lighter version of the original color is **49.9315, 60.8735, 103.7258**, and **11.1895, 13.5709, 30.8839** is the 20% darker color. If you saturate the color by 10%, you get **23.4051, 28.9245, 61.4767**, and if you desaturate by 10%, it is **26.8766, 33.4196, 62.1614**.

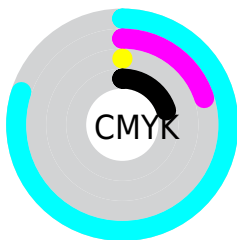
Distribution



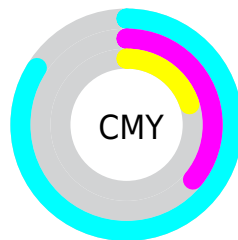
- Red (16%)
- Green (64%)
- Blue (80%)



- Red (16%)
- Yellow (44%)
- Blue (80%)



- Cyan (80%)
- Magenta (20%)
- Yellow (0%)
- Black (20%)



- Cyan (84%)
- Magenta (36%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9107, 31.0254, 61.8023 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 24.9107, 31.0254, 61.8023 by changing the saturation by 10% instead.

■ 24.9107, 31.0254,
61.8023

■ 24.9107, 31.0254,
61.8023

269.7488,
306.6553, 449.1973

■ 16.1389, 20.6182,
44.4382

■ 50.9563, 61.2801,
109.0086

■ 9.7140, 12.8452,
30.6754

■ 68.9607, 81.8963,
139.6878

■ 5.2705, 7.3220,
20.0954

■ 90.7735, 106.6843,
175.6426

■ 2.4432, 3.6643,
12.2797

■ 116.7599,
136.0286, 217.2913

■ 0.8667, 1.4876,
6.8096

■ 147.2852,
170.3134, 265.0526

■ 0.0000, 0.2800,
3.2667

182.7149,

■ 0.0000, 0.0000,

209.9232, 319.3451

1.2324

223.4143,
255.2424, 380.5871

■ 0.0000, 0.0000,
0.0054

■ 0.0000, 0.0000,
0.0000

■ 24.9107, 31.0254,
61.8023

■ 24.9107, 31.0254,
61.8023

■ 23.4051, 28.9245,
61.4767

■ 26.8766, 33.4196,
62.1614

■ 22.2504, 27.0581,
61.1774

■ 29.3572, 36.1342,
62.5546

■ 22.2389, 27.0392,
61.1743

■ 32.4025, 39.1959,
62.9851

■ 36.0552, 42.6276,
63.4550

■ 40.3539, 46.4497,
63.9662

■ 45.3339, 50.6809,
64.5204

■ 51.0277, 55.3386,
65.1193

■ 57.4658, 60.4392,
65.7645

■ 64.6768, 65.9978,
66.4574

Harmonies

Analogous

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



22.0780, 31.0254, 48.0741



24.9107, 31.0254, 61.8023



29.2462, 31.0254, 67.8201

Triad

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



24.9107, 31.0254, 61.8023



39.7447, 31.0254, 34.4828



25.2891, 31.0254, 15.4272

Complementary

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



24.9107, 31.0254, 61.8023



28.3209, 19.0342, 4.2804

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.



29.7326, 31.0254, 13.6049



24.9107, 31.0254, 61.8023



38.3959, 31.0254, 22.6459

Square

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



24.9107, 31.0254, 61.8023



38.1066, 31.0254, 49.6168



34.5958, 31.0254, 15.8440



22.2792, 31.0254, 21.7343

Rectangle

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



24.9107, 31.0254, 61.8023



32.5238, 31.0254, 65.6785



34.5958, 31.0254, 15.8440



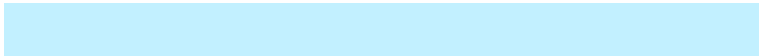
26.6485, 31.0254, 14.3602

Sweetspot

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



24.9118, 31.0265, 61.8031



71.2908, 80.7509, 106.4368



24.0220, 44.2635, 15.2126



14.6330, 16.7493, 22.7116



0.0000, 0.0000, 0.0000



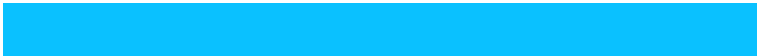
20.3446, 21.4041, 23.3091

Same Dimension

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



24.9118, 31.0265, 61.8031



37.3409, 45.6122, 101.4437



14.8135, 10.8299, 58.4370



11.2950, 12.2305, 14.3358



14.0747, 17.1734, 38.5292



0.7842, 1.0022, 2.0070

Inverse Universe

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



32.3066, 17.0688, 36.2431



51.0234, 25.3505, 52.9027



38.4450, 39.2825, 7.6551



11.5623, 11.3536, 13.4956



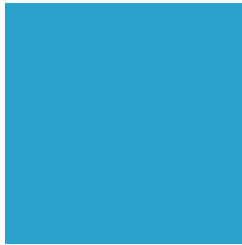
19.3152, 9.5367, 19.9101



1.0258, 0.5037, 1.1816

Previews

White Background



This preview shows how the XYZ color 24.9107, 31.0254, 61.8023 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 24.9107, 31.0254, 61.8023 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 ✓ Pass

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

XYZ 24.9107, 31.0254, 61.8023

Background



This preview shows how black text looks on a background with the XYZ color 24.9107, 31.0254, 61.8023.

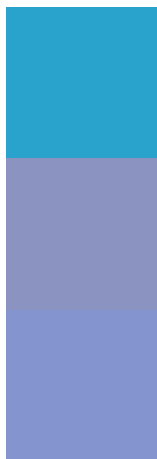


This preview shows how white text looks on a background with the XYZ color 24.9107, 31.0254,

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

24.9107, 31.0254, 61.8023

Protanopia

30.8630, 30.5190, 54.7162

Deuteranopia

31.3681, 30.5903, 63.2827



Tritanopia

22.0569, 30.9327, 47.9881

Trichromacy



Original Color

24.9107, 31.0254, 61.8023

Protanomaly

27.0628, 29.6972, 57.1291

Deuteranomaly

27.6774, 29.8913, 62.7034

Tritanomaly

23.0185, 31.0481, 52.9238

Monochromacy



Original Color

24.9107, 31.0254, 61.8023

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.0310, 24.7102, 36.0088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9107, 31.0254, 61.8023 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(41, 163, 204)` looks like.

```
.text, #text, p{  
    color:rgb(41, 163, 204)  
}
```

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(41, 163, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 163, 204) }
```

Border

The CSS property to change the border of an element to XYZ 24.9107, 31.0254, 61.8023 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(41, 163, 204) }
```


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

```
.border{ border-color:rgb(41, 163, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 163, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 163, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 163, 204);  
box-shadow:4px 4px 4px 4px rgb(41, 163,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9107, 31.0254, 61.8023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 163, 204) }
```

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

```
.background{ background-color: rgb(41, 163,  
204) }
```

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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