

Converting Colors

XYZ(24.6058, 30.7978, 64.9693)

Have a look what the booklet for
XYZ(24.6058, 30.7978, 64.9693)
contains.

XYZ(24.6058, 30.7978, 64.9693)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.6058, 30.7978,
64.9693)**

Conversions

Conversions Part 1

Format	Color
Hex	00A3D1
RGB	0, 163, 209
RGB Percent	0%, 64%, 82%
CMY	0.9998, 0.3608, 0.1804
CMYK	1.00, 0.22, 0.00, 0.18
HSL	193°, 100%, 41%
HSV	193°, 100%, 82%
XYZ	24.6058, 30.7978, 64.9693
YIQ	119.5070, -111.9140, -20.2500

Conversions

Conversions Part 2

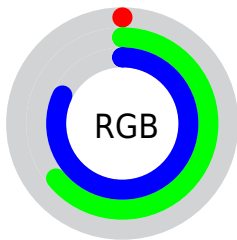
Format	Color
R _{YB}	0, 92, 209
Decimal	41937
CIE Lab	62.34, -18.99, -33.31
CIE LCh	62, 38.346, 240.313
Yxy	30.7978, 0.2044, 0.2559
Android (android.graphics.Color)	4278232017 (0xFF00A3D1)
YUV	119.5070, 44.1200, -104.8076
Hunter-Lab	55.4958, -17.9740, -30.5642

Details

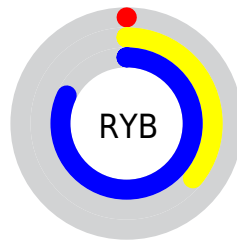
The XYZ color **24.6058, 30.7978, 64.9693** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **27.2739, 15.5133, 1.5583**, and the grayscale version is **17.5900, 18.5061, 20.1531**.

A 20% lighter version of the original color is **48.6009, 60.1876, 103.6636**, and **11.5172, 13.7020, 32.6096** is the 20% darker color. If you saturate the color by 10%, you get **24.6044, 30.7947, 64.9694**, and if you desaturate by 10%, it is **25.7463, 32.6212, 65.2618**.

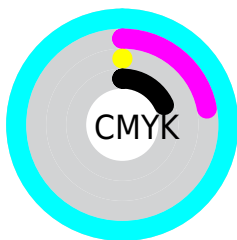
Distribution



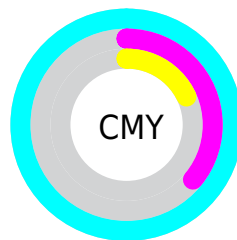
- Red (0%)
- Green (64%)
- Blue (82%)



- Red (0%)
- Yellow (36%)
- Blue (82%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (36%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6058, 30.7978, 64.9693 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 24.6058, 30.7978, 64.9693 by changing the saturation by 10% instead.

■ 24.6058, 30.7978,
64.9693

■ 24.6058, 30.7978,
64.9693

268.2531,
305.6057, 460.9848

■ 15.9108, 20.4449,
46.9850

■ 50.4645, 60.9216,
113.6186

■ 9.5515, 12.7189,
32.6695

■ 68.3589, 81.4613,
145.1206

■ 5.1626, 7.2352,
21.6044

■ 90.0504, 106.1654,
181.9657

■ 2.3787, 3.6097,
13.3710

■ 115.9045,
135.4183, 224.5723

■ 0.8345, 1.4577,
7.5508

■ 146.2864,
169.6044, 273.3589

■ 0.0000, 0.2587,
3.7252

181.5616,

■ 0.0000, 0.0000,

209.1080, 328.7442

1.4759

222.0954,
254.3137, 391.1467

■ 0.0000, 0.0000,
0.1998

■ 0.0000, 0.0000,
0.0000

■ 24.6058, 30.7978,
64.9693

■ 24.6058, 30.7978,
64.9693

■ 24.6044, 30.7947,
64.9694

■ 25.7463, 32.6212,
65.2618

■ 27.2488, 34.6753,
65.5791

■ 29.2263, 37.0192,
65.9273

■ 31.7401, 39.6852,
66.3093

■ 34.8420, 42.7002,
66.7278

■ 38.5773, 46.0881,
67.1849

■ 42.9870, 49.8704,
67.6825

■ 48.1081, 54.0667,
68.2226

■ 53.9753, 58.6951,
68.8067

Harmonies

Analogous

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



21.4795, 30.7978, 50.1136



24.6058, 30.7978, 64.9693



29.3269, 30.7978, 70.9707

Triad

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



24.6058, 30.7978, 64.9693



40.4205, 30.7978, 33.3778



24.5218, 30.7978, 14.4264

Complementary

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



24.6058, 30.7978, 64.9693



27.2739, 15.5133, 1.5583

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.



29.2179, 30.7978, 12.3138



24.6058, 30.7978, 64.9693



38.7534, 30.7978, 21.0849

Square

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



24.6058, 30.7978, 64.9693



38.8191, 30.7978, 49.7612



34.4946, 30.7978, 14.3377



21.4352, 30.7978, 21.2839

Rectangle

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



24.6058, 30.7978, 64.9693



32.8727, 30.7978, 68.0835



34.4946, 30.7978, 14.3377



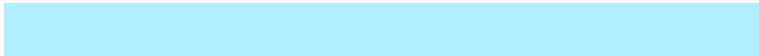
25.9450, 30.7978, 13.2470

Sweetspot

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



24.6069, 30.7989, 64.9701



67.1459, 77.9860, 106.1216



23.2812, 45.7937, 10.1273



13.7159, 16.1363, 22.6417



0.0000, 0.0000, 0.0000



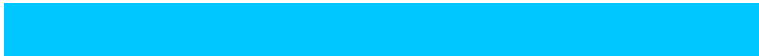
20.3446, 21.4041, 23.3091

Same Dimension

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



24.6069, 30.7989, 64.9701



38.4421, 48.0042, 101.8474



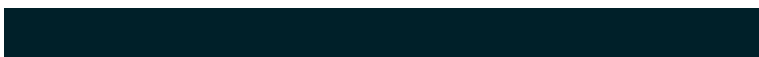
13.0863, 7.7577, 61.1299



11.9284, 12.9470, 15.1140



15.2458, 19.1382, 40.0830



0.9084, 1.1820, 2.2598

Inverse Universe

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



32.9063, 16.2009, 36.0439



51.5330, 25.3772, 56.1322



37.1692, 35.3038, 4.8567



12.1947, 11.9626, 14.3013



20.3261, 10.0033, 22.4212



1.1647, 0.5706, 1.4023

Previews

White Background



This preview shows how the XYZ color 24.6058, 30.7978, 64.9693 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 24.6058, 30.7978, 64.9693 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 24.6058, 30.7978, 64.9693

Background



This preview shows how black text looks on a background with the XYZ color 24.6058, 30.7978, 64.9693.



This preview shows how white text looks on a background with the XYZ color 24.6058, 30.7978,

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

24.6058, 30.7978, 64.9693

Protanopia

30.9363, 30.4913, 57.6810

Deuteranopia

31.2260, 30.4453, 66.5181



Tritanopia

21.9554, 30.8921, 47.4534

Trichromacy



Original Color

24.6058, 30.7978, 64.9693



Protanomaly

25.9824, 29.0730, 60.1193



Deuteranomaly

26.5424, 29.2349, 65.8720



Tritanomaly

22.9305, 30.9901, 53.4883

Monochromacy



Original Color

24.6058, 30.7978, 64.9693



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

17.4521, 21.4118, 32.9188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6058, 30.7978, 64.9693 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(0, 163, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 209)  
}
```

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(0, 163, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 209) }
```

Border

The CSS property to change the border of an element to XYZ 24.6058, 30.7978, 64.9693 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(0, 163, 209) }
```


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

```
.border{ border-color:rgb(0, 163, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 163, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6058, 30.7978, 64.9693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 209) }
```

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

```
.background{ background-color: rgb(0, 163,  
209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor