

Converting Colors

XYZ(17.0736, 26.0203, 66.3726)

Have a look what the booklet for
XYZ(17.0736, 26.0203, 66.3726)
contains.

XYZ(24.4545, 29.8951, 66.7688)	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(24.4545, 29.8951,
66.7688)**

Conversions

Conversions Part 1

Format	Color
Hex	00A0D4
RGB	0, 160, 212
RGB Percent	0%, 63%, 83%
CMY	0.9998, 0.3725, 0.1686
CMYK	1.00, 0.25, 0.00, 0.17
HSL	195°, 100%, 42%
HSV	195°, 100%, 83%
XYZ	24.4545, 29.8951, 66.7688
YIQ	118.0880, -112.0520, -17.7480

Conversions

Conversions Part 2

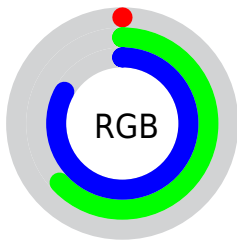
Format	Color
R _{YB}	0, 91, 212
Decimal	41172
CIE Lab	61.56, -16.31, -36.19
CIE LCh	62, 39.693, 245.732
Yxy	29.8951, 0.2019, 0.2468
Android (android.graphics.Color)	4278231252 (0xFF00A0D4)
YUV	118.0880, 46.2986, -103.5632
Hunter-Lab	54.6764, -15.8480, -34.1293

Details

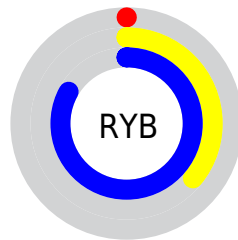
The XYZ color **24.4545, 29.8951, 66.7688** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **28.3822, 16.4579, 1.6823**, and the grayscale version is **17.1374, 18.0299, 19.6345**.

A 20% lighter version of the original color is **47.8299, 58.6457, 103.4066**, and **11.5544, 13.3716, 33.8703** is the 20% darker color. If you saturate the color by 10%, you get **24.4527, 29.8913, 66.7688**, and if you desaturate by 10%, it is **25.6902, 31.8993, 67.0911**.

Distribution



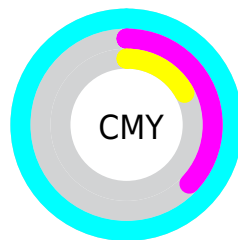
- Red (0%)
- Green (63%)
- Blue (83%)



- Red (0%)
- Yellow (36%)
- Blue (83%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (37%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4545, 29.8951, 66.7688 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 24.4545, 29.8951, 66.7688 by changing the saturation by 10% instead.

■ 24.4545, 29.8951,
66.7688

■ 24.4545, 29.8951,
66.7688

267.5083,
301.4152, 467.6004

■ 15.7977, 19.7590,
48.4363

■ 50.2202, 59.4962,
116.2266

■ 9.4710, 12.2200,
33.8101

■ 68.0597, 79.7301,
148.1890

■ 5.1092, 6.8937,
22.4716

■ 89.6909, 104.0986,
185.5317

■ 2.3469, 3.3957,
14.0022

■ 115.4790,
132.9861, 228.6734

■ 0.8185, 1.3416,
7.9834

■ 145.7895,
166.7772, 278.0326

■ 0.0000, 0.1731,
3.9967

180.9876,

■ 0.0000, 0.0000,

205.8561, 334.0278

1.6235

221.4388,
250.6073, 397.0776

■ 0.0000, 0.0000,
0.3075

■ 0.0000, 0.0000,
0.0000

■ 24.4545, 29.8951,
66.7688

■ 24.4545, 29.8951,
66.7688

■ 24.4527, 29.8913,
66.7688

■ 25.6902, 31.8993,
67.0911

■ 27.3079, 34.1566,
67.4416

■ 29.4237, 36.7280,
67.8264

■ 32.1013, 39.6471,
68.2487

■ 35.3944, 42.9420,
68.7111

■ 39.3503, 46.6378,
69.2160

■ 44.0112, 50.7569,
69.7654

■ 49.4158, 55.3198,
70.3613

■ 55.6001, 60.3457,
71.0054

Harmonies

Analogous

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



20.9653, 29.8951, 52.5813



24.4545, 29.8951, 66.7688



29.4373, 29.8951, 70.7461

Triad

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



24.4545, 29.8951, 66.7688



39.7208, 29.8951, 29.7406



22.9043, 29.8951, 14.2360

Complementary

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



24.4545, 29.8951, 66.7688



28.3822, 16.4579, 1.6823

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.



27.4155, 29.8951, 11.3898



24.4545, 29.8951, 66.7688



37.4470, 29.8951, 18.3883

Square

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



24.4545, 29.8951, 66.7688



38.6753, 29.8951, 45.9757



32.7802, 29.8951, 12.6322



20.1507, 29.8951, 22.0321

Rectangle

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



24.4545, 29.8951, 66.7688



33.0388, 29.8951, 66.2646



32.7802, 29.8951, 12.6322



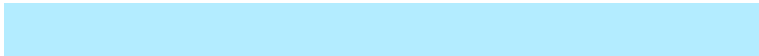
24.2430, 29.8951, 12.7996

Sweetspot

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



24.4556, 29.8961, 66.7696



66.5872, 76.8686, 105.9353



24.1095, 47.3138, 10.8239



13.5814, 15.8673, 22.5968



0.0000, 0.0000, 0.0000



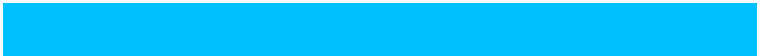
20.3446, 21.4041, 23.3091

Same Dimension

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



24.4556, 29.8961, 66.7696



36.9961, 45.1123, 101.3654



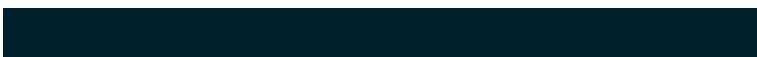
13.3265, 7.6379, 63.0599



12.5221, 13.5677, 15.8964



15.1780, 18.6177, 41.2468



0.9785, 1.2489, 2.5088

Inverse Universe

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



33.4975, 16.5364, 34.6849



50.8031, 25.0853, 52.2888



38.9535, 37.6005, 5.2060



12.8167, 12.5782, 14.9752



20.7200, 10.2243, 21.6273



1.2815, 0.6294, 1.4719

Previews

White Background



This preview shows how the XYZ color 24.4545, 29.8951, 66.7688 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 24.4545, 29.8951, 66.7688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

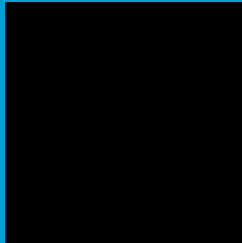
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.4545, 29.8951, 66.7688

Background



This preview shows how black text looks on a background with the XYZ color 24.4545, 29.8951, 66.7688.

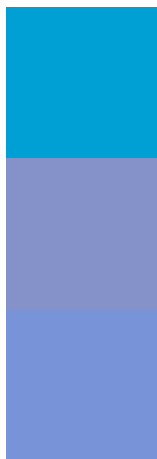


This preview shows how white text looks on a background with the XYZ color 24.4545, 29.8951,

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

24.4545, 29.8951, 66.7688

Protanopia

30.3372, 29.6803, 59.3883

Deuteranopia

30.4452, 29.7668, 68.4309



Tritanopia

21.2113, 29.7252, 46.2146

Trichromacy



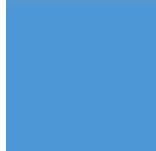
Original Color

24.4545, 29.8951, 66.7688



Protanomaly

25.7422, 28.4258, 61.8876



Deuteranomaly

26.3463, 28.8480, 67.7980



Tritanomaly

22.3915, 29.9121, 53.3087

Monochromacy



Original Color

24.4545, 29.8951, 66.7688



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

16.9567, 20.5379, 32.7763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4545, 29.8951, 66.7688 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, 160, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 212)  
}
```

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, 160, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 212) }
```

Border

The CSS property to change the border of an element to XYZ 24.4545, 29.8951, 66.7688 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, 160, 212) }
```


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

```
.border{ border-color:rgb(0, 160, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 160, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4545, 29.8951, 66.7688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 212) }
```

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

```
.background{ background-color: rgb(0, 160,  
212) }
```

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