

Converting Colors

XYZ(24.7873, 32.9780, 59.0925)

Have a look what the booklet for
XYZ(24.7873, 32.9780, 59.0925)
contains.

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Color

**XYZ(24.7586, 32.9117,
59.0805)**

Conversions

Conversions Part 1

Format	Color
Hex	06AAC7
RGB	6, 170, 199
RGB Percent	2%, 67%, 78%
CMY	0.9763, 0.3333, 0.2196
CMYK	0.97, 0.15, 0.00, 0.22
HSL	189°, 94%, 40%
HSV	189°, 97%, 78%
XYZ	24.7586, 32.9117, 59.0805
YIQ	124.2700, -107.0530, -25.7490

Conversions

Conversions Part 2

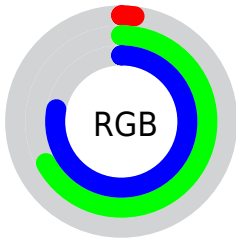
Format	Color
RYB	6, 95, 199
Decimal	436935
CIELab	64.09, -25.89, -25.04
CIELCh	64, 36.018, 224.048
Yxy	32.9117, 0.2121, 0.2819
Android (android.graphics.Color)	4278627015 (0xFF06AAC7)
YUV	124.2700, 36.8419, -103.7228
Hunter-Lab	57.3687, -23.3601, -20.9010

Details

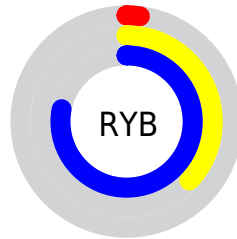
The XYZ color **24.7586, 32.9117, 59.0805** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **24.1887, 13.3598, 1.4772**, and the grayscale version is **19.1590, 20.1568, 21.9508**.

A 20% lighter version of the original color is **50.7258, 64.4375, 104.3719**, and **11.4721, 14.7669, 29.0337** is the 20% darker color. If you saturate the color by 10%, you get **24.5145, 32.5348, 59.0213**, and if you desaturate by 10%, it is **25.6756, 34.2268, 59.2867**.

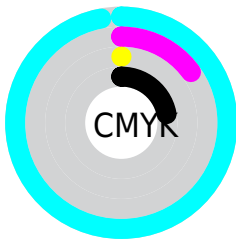
Distribution



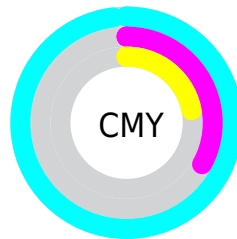
- Red (2%)
- Green (67%)
- Blue (78%)



- Red (2%)
- Yellow (37%)
- Blue (78%)



- Cyan (97%)
- Magenta (15%)
- Yellow (0%)
- Black (22%)



- Cyan (98%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7586, 32.9117, 59.0805 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 24.7586, 32.9117, 59.0805 by changing the saturation by 10% instead.

■ 24.7586, 32.9117,
59.0805

■ 24.7586, 32.9117,
59.0805

269.0035,
315.2517, 438.9104

■ 16.0251, 22.0588,
42.2575

■ 50.7111, 64.2376,
105.0249

■ 9.6329, 13.9001,
28.9759

■ 68.6607, 85.4795,
134.9834

■ 5.2166, 8.0512,
18.8172

■ 90.4130, 110.9531,
170.1575

■ 2.4110, 4.1277,
11.3628

■ 116.3335,
141.0429, 210.9657

■ 0.8506, 1.7453,
6.1942

■ 146.7874,
176.1333, 257.8265

■ 0.0000, 0.4527,
2.8928

182.1402,

■ 0.0000, 0.0000,

216.6086, 311.1585

1.0402

222.7571,
262.8532, 371.3803

■ 0.0000, 0.0000,
0.0000

■ 24.7586, 32.9117,
59.0805

■ 24.7586, 32.9117,
59.0805

■ 24.5145, 32.5348,
59.0213

■ 25.6756, 34.2268,
59.2867

■ 26.9506, 35.7449,
59.5125

■ 28.6531, 37.5027,
59.7620

■ 30.8344, 39.5265,
60.0377

■ 33.5379, 41.8389,
60.3416

■ 36.8025, 44.4602,
60.6754

■ 40.6631, 47.4083,
61.0410

■ 45.1517, 50.7000,
61.4398

■ 50.2981, 54.3506,
61.8732

Harmonies

Analogous

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



22.7121, 32.9117, 43.0818



24.7586, 32.9117, 59.0805



28.6670, 32.9117, 70.1237

Triad

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



24.7586, 32.9117, 59.0805



41.6717, 32.9117, 44.1077



28.9646, 32.9117, 14.9352

Complementary

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



24.7586, 32.9117, 59.0805



24.1887, 13.3598, 1.4772

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.



34.0505, 32.9117, 15.0702



24.7586, 32.9117, 59.0805



41.7738, 32.9117, 29.4506

Square

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



24.7586, 32.9117, 59.0805



38.5948, 32.9117, 60.0050



38.8601, 32.9117, 19.6611



24.9560, 32.9117, 19.2227

Rectangle

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



24.7586, 32.9117, 59.0805



31.9778, 32.9117, 71.7156



38.8601, 32.9117, 19.6611



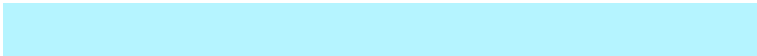
30.5955, 32.9117, 14.5104

Sweetspot

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



24.7597, 32.9129, 59.0813



69.4344, 81.6830, 106.7145



20.8024, 41.0076, 8.4077



14.2320, 17.0033, 22.7818



0.0000, 0.0000, 0.0000



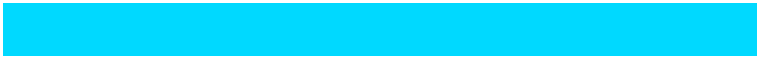
20.3446, 21.4041, 23.3091

Same Dimension

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



24.7597, 32.9129, 59.0813



42.7799, 56.6799, 103.2933



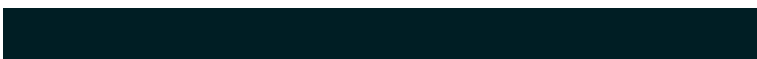
12.8051, 9.0037, 55.0964



10.8057, 11.7854, 13.6228



15.8143, 21.0225, 37.9686



0.7867, 1.0711, 1.8104

Inverse Universe

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



30.8749, 15.1757, 39.3333



53.7225, 26.2530, 67.6621



31.7654, 28.5132, 4.0028



11.0119, 10.7882, 13.0462



19.7816, 9.6622, 25.1237



0.9558, 0.4652, 1.2902

Previews

White Background



This preview shows how the XYZ color 24.7586, 32.9117, 59.0805 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 24.7586, 32.9117, 59.0805 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

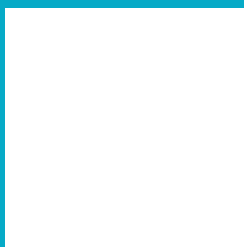
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.7586, 32.9117, 59.0805

Background



This preview shows how black text looks on a background with the XYZ color 24.7586, 32.9117, 59.0805.

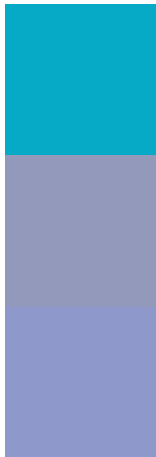


This preview shows how white text looks on a background with the XYZ color 24.7586, 32.9117,

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

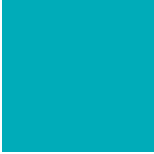
24.7586, 32.9117, 59.0805

Protanopia

32.3935, 32.5734, 51.5937

Deuteranopia

33.3354, 32.6079, 61.0369



Tritanopia

23.5095, 33.0078, 51.0310

Trichromacy



Original Color

24.7586, 32.9117, 59.0805



Protanomaly

26.6260, 31.0447, 53.8791



Deuteranomaly

27.5730, 31.3877, 60.4823



Tritanomaly

23.8822, 32.8564, 53.7984

Monochromacy



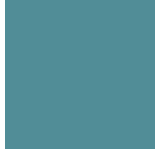
Original Color

24.7586, 32.9117, 59.0805



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

18.5041, 23.0334, 32.7488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7586, 32.9117, 59.0805 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(6, 170, 199)` looks like.

```
.text, #text, p{  
    color:rgb(6, 170, 199)  
}
```

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(6, 170, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 170, 199) }
```

Border

The CSS property to change the border of an element to XYZ 24.7586, 32.9117, 59.0805 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(6, 170, 199) }
```


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

```
.border{ border-color:rgb(6, 170, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 170, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 170, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 170, 199);  
box-shadow:4px 4px 4px 4px rgb(6, 170,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7586, 32.9117, 59.0805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 170, 199) }
```

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

```
.background{ background-color: rgb(6, 170,  
199) }
```

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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