

Converting Colors

XYZ(24.0616, 24.9895, 74.0763)

Have a look what the booklet for
XYZ(24.0616, 24.9895, 74.0763)
contains.

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Color

**XYZ(24.0616, 24.9895,
74.0763)**

Conversions

Conversions Part 1

Format	Color
Hex	2D8DE0
RGB	45, 141, 224
RGB Percent	18%, 55%, 88%
CMY	0.8235, 0.4471, 0.1216
CMYK	0.80, 0.37, 0.00, 0.12
HSL	208°, 74%, 53%
HSV	208°, 80%, 88%
XYZ	24.0616, 24.9895, 74.0763
YIQ	121.7580, -83.8590, 5.4610

Conversions

Conversions Part 2

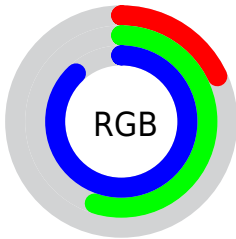
Format	Color
R_{YB}	45, 107, 224
Decimal	2985440
CIE Lab	57.07, 1.36, -49.93
CIE LCh	57, 49.946, 271.564
Yxy	24.9895, 0.1954, 0.2030
Android (android.graphics.Color)	4281175520 (0xFF2D8DE0)
YUV	121.7580, 50.4053, -67.3168
Hunter-Lab	49.9895, -1.5637, -52.8655

Details

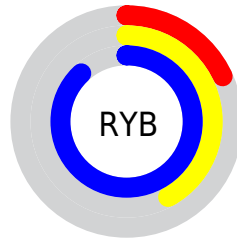
The XYZ color **24.0616, 24.9895, 74.0763** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **38.9357, 31.4791, 6.5081**, and the grayscale version is **18.2823, 19.2344, 20.9462**.

A 20% lighter version of the original color is **44.8130, 49.6551, 101.8302**, and **10.8090, 10.3093, 38.4660** is the 20% darker color. If you saturate the color by 10%, you get **21.8638, 21.6886, 73.5556**, and if you desaturate by 10%, it is **26.9273, 28.8485, 74.6707**.

Distribution



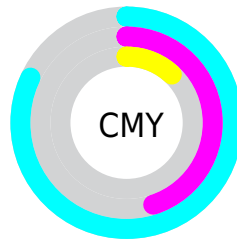
- Red (18%)
- Green (55%)
- Blue (88%)



- Red (18%)
- Yellow (42%)
- Blue (88%)



- Cyan (80%)
- Magenta (37%)
- Yellow (0%)
- Black (12%)



- Cyan (82%)
- Magenta (45%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0616, 24.9895, 74.0763 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 24.0616, 24.9895, 74.0763 by changing the saturation by 10% instead.

■ 24.0616, 24.9895,
74.0763

■ 24.0616, 24.9895,
74.0763

265.5665,
277.7856, 493.9071

■ 15.5043, 16.0692,
54.3593

■ 49.5846, 51.6402,
126.7390

■ 9.2627, 9.5732,
38.4939

■ 67.2811, 70.1394,
160.5218

■ 4.9714, 5.1169,
26.0614

■ 88.7547, 92.6004,
199.8303

■ 2.2651, 2.3160,
16.6434

■ 114.3707,
119.4075, 245.0830

■ 0.7767, 0.7822,
9.8213

■ 144.4945,
150.9452, 296.6986

■ 0.0000, 0.0000,
5.1766

179.4915,

■ 0.0000, 0.0000,

187.5979, 355.0954

2.2907

219.7271,
229.7499, 420.6920

■ 0.0000, 0.0000,
0.7260

■ 0.0000, 0.0000,
0.0000

■ 24.0616, 24.9895,
74.0763

■ 24.0616, 24.9895,
74.0763

■ 21.8638, 21.6886,
73.5556

■ 26.9273, 28.8485,
74.6707

■ 20.2011, 18.8708,
73.0993

■ 30.5341, 33.3082,
75.3414

■ 20.1864, 18.8454,
73.0952

■ 34.9478, 38.4081,
76.0931

■ 40.2255, 44.1829,
76.9296

■ 46.4186, 50.6642,
77.8542

■ 53.5742, 57.8810,
78.8701

■ 61.7359, 65.8607,
79.9801

■ 70.9446, 74.6289,
81.1872

■ 81.2389, 84.2100,
82.4940

Harmonies

Analogous

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



18.7670, 24.9895, 66.7432



24.0616, 24.9895, 74.0763



30.1717, 24.9895, 65.1491

Triad

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



24.0616, 24.9895, 74.0763



34.7400, 24.9895, 13.5411



15.1361, 24.9895, 14.5250

Complementary

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



24.0616, 24.9895, 74.0763



38.9357, 31.4791, 6.5081

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.



18.3140, 24.9895, 7.9004



24.0616, 24.9895, 74.0763



29.5493, 24.9895, 7.5193

Square

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



24.0616, 24.9895, 74.0763



36.9334, 24.9895, 26.3353



23.4446, 24.9895, 5.9858



14.1518, 24.9895, 28.1024

Rectangle

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



24.0616, 24.9895, 74.0763



33.7486, 24.9895, 52.6933



23.4446, 24.9895, 5.9858



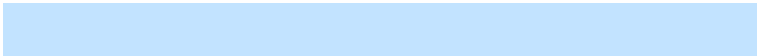
15.9542, 24.9895, 11.6421

Sweetspot

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



24.0626, 24.9903, 74.0770



67.6122, 73.3936, 105.2106



31.4762, 55.3650, 28.6172



13.7453, 14.9739, 22.4157



0.0000, 0.0000, 0.0000



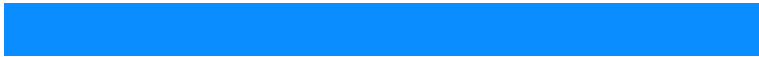
20.3446, 21.4041, 23.3091

Same Dimension

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



24.0626, 24.9903, 74.0770



27.7737, 26.4779, 98.2546



15.8550, 8.5751, 71.3411



13.5578, 14.4546, 17.4631



11.8662, 11.2019, 42.5851



0.9119, 0.9552, 2.9815

Inverse Universe

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



36.4875, 19.6485, 27.0693



46.1943, 23.4189, 27.4731



55.5282, 64.6641, 12.0389



14.0130, 13.8228, 15.8386



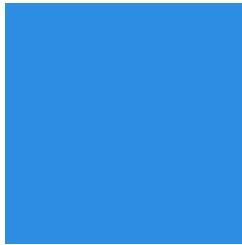
19.9297, 10.0389, 11.5615



1.4265, 0.7139, 1.0389

Previews

White Background



This preview shows how the XYZ color 24.0616, 24.9895, 74.0763 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 24.0616, 24.9895, 74.0763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

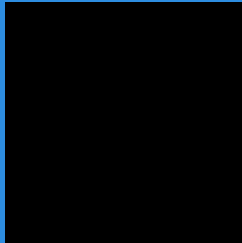
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

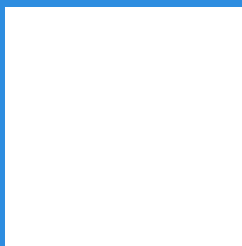
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.0616, 24.9895, 74.0763

Background



This preview shows how black text looks on a background with the XYZ color 24.0616, 24.9895, 74.0763.



This preview shows how white text looks on a background with the XYZ color 24.0616, 24.9895,

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

24.0616, 24.9895, 74.0763

Protanopia

26.6208, 24.7279, 69.0155

Deuteranopia

25.6782, 24.9473, 74.6961



Tritanopia

17.6775, 24.7776, 38.5012

Trichromacy



Original Color

24.0616, 24.9895, 74.0763

Protanomaly

25.2897, 24.6146, 71.1283

Deuteranomaly

24.9259, 24.7715, 74.7018

Tritanomaly

19.4044, 24.4804, 49.6014

Monochromacy



Original Color

24.0616, 24.9895, 74.0763

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.7244, 20.5834, 35.7870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0616, 24.9895, 74.0763 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(45, 141, 224)` looks like.

```
.text, #text, p{  
    color:rgb(45, 141, 224)  
}
```

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(45, 141, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 141, 224) }
```

Border

The CSS property to change the border of an element to XYZ 24.0616, 24.9895, 74.0763 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(45, 141, 224) }
```


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

```
.border{ border-color:rgb(45, 141, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 141, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 141, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 141, 224);  
box-shadow:4px 4px 4px 4px rgb(45, 141,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0616, 24.9895, 74.0763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 141, 224) }
```

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

```
.background{ background-color: rgb(45, 141,  
224) }
```

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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