

Converting Colors

XYZ(21.1433, 25.8429, 76.3980)

Have a look what the booklet for
XYZ(21.1433, 25.8429, 76.3980)
contains.

XYZ(24.9317, 27.6793, 76.7016)	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(24.9317, 27.6793,
76.7016)**

Conversions

Conversions Part 1

Format	Color
Hex	0097E3
RGB	0, 151, 227
RGB Percent	0%, 59%, 89%
CMY	0.9998, 0.4078, 0.1098
CMYK	1.00, 0.33, 0.00, 0.11
HSL	200°, 100%, 45%
HSV	200°, 100%, 89%
XYZ	24.9317, 27.6793, 76.7016
YIQ	114.5150, -114.3920, -8.3760

Conversions

Conversions Part 2

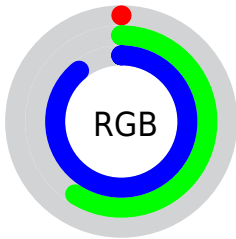
Format	Color
RYB	0, 91, 227
Decimal	38883
CIELab	59.60, -5.79, -47.61
CIELCh	60, 47.965, 263.072
Yxy	27.6793, 0.1928, 0.2140
Android (android.graphics.Color)	4278228963 (0xFF0097E3)
YUV	114.5150, 55.4551, -100.4297
Hunter-Lab	52.6111, -7.4807, -49.6109

Details

The XYZ color **24.9317, 27.6793, 76.7016** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **34.2672, 21.5073, 2.3468**, and the grayscale version is **16.0171, 16.8513, 18.3511**.

A 20% lighter version of the original color is **45.7070, 53.8859, 102.5997**, and **12.0044, 12.2476, 40.2594** is the 20% darker color. If you saturate the color by 10%, you get **24.9292, 27.6740, 76.7013**, and if you desaturate by 10%, it is **26.5430, 30.3854, 77.1396**.

Distribution



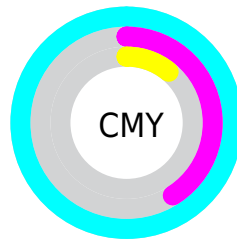
- Red (0%)
- Green (59%)
- Blue (89%)



- Red (0%)
- Yellow (36%)
- Blue (89%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (41%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9317, 27.6793, 76.7016 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 24.9317, 27.6793, 76.7016 by changing the saturation by 10% instead.

■ 24.9317, 27.6793,
76.7016

■ 24.9317, 27.6793,
76.7016

269.8515,
290.9313, 503.1566

■ 16.1546, 18.0840,
56.4979

■ 50.9901, 55.9720,
130.4873

■ 9.7252, 11.0103,
40.1956

■ 69.0021, 75.4383,
164.9065

■ 5.2780, 6.0738,
27.3761

■ 90.8232, 98.9637,
204.9011

■ 2.4477, 2.8900,
17.6210

■ 116.8187,
126.9326, 250.8899

■ 0.8690, 1.0746,
10.5116

■ 147.3539,
159.7294, 303.2913

■ 0.0000, 0.0000,
5.6294

182.7942,

■ 0.0000, 0.0000,

197.7385, 362.5238

2.5560

223.5050,
241.3444, 429.0061

■ 0.0000, 0.0000,
0.8696

■ 0.0000, 0.0000,
0.0000

■ 24.9317, 27.6793,
76.7016

■ 24.9317, 27.6793,
76.7016

■ 24.9292, 27.6740,
76.7013

■ 26.5430, 30.3854,
77.1396

■ 28.6410, 33.4614,
77.6228

■ 31.3586, 36.9781,
78.1583

■ 34.7723, 40.9769,
78.7503

■ 38.9466, 45.4932,
79.4020

■ 43.9381, 50.5581,
80.1165

■ 49.7979, 56.1997,
80.8966

■ 56.5724, 62.4438,
81.7448

■ 64.3048, 69.3145,
82.6634

Harmonies

Analogous

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



19.9275, 27.6793, 65.3263



24.9317, 27.6793, 76.7016



31.1287, 27.6793, 72.2815

Triad

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



24.9317, 27.6793, 76.7016



38.5094, 27.6793, 18.8893



18.0713, 27.6793, 14.2419

Complementary

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



24.9317, 27.6793, 76.7016



34.2672, 21.5073, 2.3468

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.



22.0132, 27.6793, 8.7215



24.9317, 27.6793, 76.7016



33.9238, 27.6793, 10.5978

Square

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



24.9317, 27.6793, 76.7016



39.6083, 27.6793, 34.3323



27.7348, 27.6793, 7.7057



16.3788, 27.6793, 26.3001

Rectangle

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



24.9317, 27.6793, 76.7016



35.0664, 27.6793, 61.5621



27.7348, 27.6793, 7.7057



19.1454, 27.6793, 11.7813

Sweetspot

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



24.9328, 27.6802, 76.7023



64.6502, 72.9945, 105.2897



28.7642, 55.4566, 15.9716



13.1169, 14.9382, 22.4420



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.



24.9328, 27.6802, 76.7023



32.3511, 35.8222, 99.8170



14.5551, 6.9249, 73.2431



14.3796, 15.4806, 18.3745



14.6503, 16.3627, 44.7693



1.1673, 1.3786, 3.3365

Inverse Universe

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



37.2654, 18.5666, 30.8985



48.4585, 24.1474, 39.9423



49.9146, 52.8022, 7.5626



14.7792, 14.5289, 17.0376



21.7883, 10.8495, 18.3120



1.6528, 0.8188, 1.5784

Previews

White Background



This preview shows how the XYZ color 24.9317, 27.6793, 76.7016 looks on a white background.

Color Contrast Check

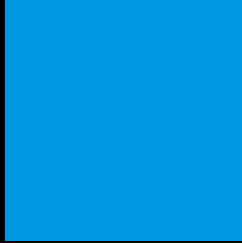
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9317, 27.6793, 76.7016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

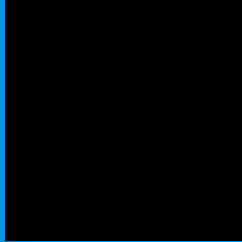
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

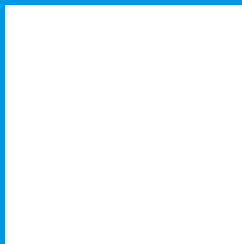
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.9317, 27.6793, 76.7016

Background



This preview shows how black text looks on a background with the XYZ color 24.9317, 27.6793, 76.7016.

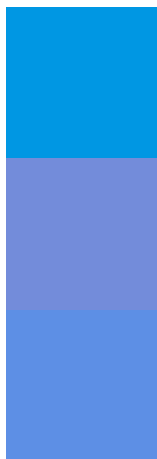


This preview shows how white text looks on a background with the XYZ color 24.9317, 27.6793,

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

24.9317, 27.6793, 76.7016

Protanopia

29.1032, 27.4630, 70.0966

Deuteranopia

28.4795, 27.6292, 77.9607



Tritanopia

19.6538, 27.6986, 42.3407

Trichromacy



Original Color

24.9317, 27.6793, 76.7016

Protanomaly

25.7721, 26.5834, 72.1794

Deuteranomaly

26.0861, 27.0890, 77.2526

Tritanomaly

21.2924, 27.5385, 53.4835

Monochromacy



Original Color

24.9317, 27.6793, 76.7016

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.4676, 19.2551, 34.3012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9317, 27.6793, 76.7016 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, 151, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 227)  
}
```

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, 151, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 227) }
```

Border

The CSS property to change the border of an element to XYZ 24.9317, 27.6793, 76.7016 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, 151, 227) }
```


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

```
.border{ border-color:rgb(0, 151, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 151, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9317, 27.6793, 76.7016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 151, 227) }
```

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

```
.background{ background-color: rgb(0, 151,  
227) }
```

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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