

Converting Colors

XYZ(20.9703, 25.2022, 78.7467)

Have a look what the booklet for
XYZ(20.9703, 25.2022, 78.7467)
contains.

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Color

**XYZ(25.0304, 27.2081,
78.7954)**

Conversions

Conversions Part 1

Format	Color
Hex	0095E6
RGB	0, 149, 230
RGB Percent	0%, 58%, 90%
CMY	0.9998, 0.4157, 0.0980
CMYK	1.00, 0.35, 0.00, 0.10
HSL	201°, 100%, 45%
HSV	201°, 100%, 90%
XYZ	25.0304, 27.2081, 78.7954
YIQ	113.6830, -114.8050, -6.3970

Conversions

Conversions Part 2

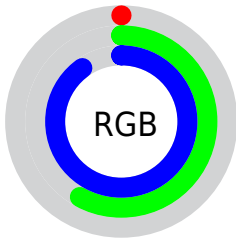
Format	Color
R _{YB}	0, 90, 230
Decimal	38374
CIE _{Lab}	59.17, -3.50, -49.96
CIE _{LCh}	59, 50.086, 265.988
Y _{xy}	27.2081, 0.1910, 0.2076
Android (android.graphics.Color)	4278228454 (0xFF0095E6)
Y _{UV}	113.6830, 57.3443, -99.7000
Hunter-Lab	52.1614, -5.6266, -53.0510

Details

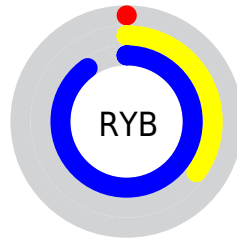
The XYZ color **25.0304, 27.2081, 78.7954** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **35.5806, 22.7170, 2.5113**, and the grayscale version is **15.7638, 16.5848, 18.0608**.

A 20% lighter version of the original color is **45.3498, 52.9960, 102.4468**, and **12.1018, 11.9797, 41.7189** is the 20% darker color. If you saturate the color by 10%, you get **25.0274, 27.2018, 78.7950**, and if you desaturate by 10%, it is **26.7123, 30.0451, 79.2550**.

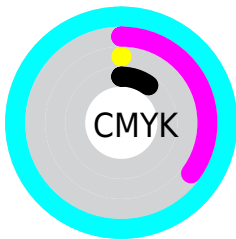
Distribution



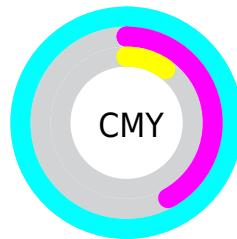
- Red (0%)
- Green (58%)
- Blue (90%)



- Red (0%)
- Yellow (35%)
- Blue (90%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (42%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0304, 27.2081, 78.7954 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 25.0304, 27.2081, 78.7954 by changing the saturation by 10% instead.

■ 25.0304, 27.2081,
78.7954

■ 25.0304, 27.2081,
78.7954

270.3341,
288.6633, 510.4632

■ 16.2286, 17.7296,
58.2073

■ 51.1491, 55.2176,
133.4668

■ 9.7779, 10.7560,
41.5595

■ 69.1966, 74.5174,
168.3872

■ 5.3131, 5.9030,
28.4335

■ 91.0568, 97.8597,
208.9221

■ 2.4687, 2.7862,
18.4108

■ 117.0949,
125.6290, 255.4901

■ 0.8795, 1.0212,
11.0729

■ 147.6763,
158.2096, 308.5097

■ 0.0000, 0.0000,
6.0011

183.1665,

■ 0.0000, 0.0000,

195.9859, 368.3993

2.7769

223.9306,
239.3423, 435.5777

■ 0.0000, 0.0000,
0.9819

■ 0.0000, 0.0000,
0.0000

■ 25.0304, 27.2081,
78.7954

■ 25.0304, 27.2081,
78.7954

■ 25.0274, 27.2018,
78.7950

■ 26.7123, 30.0451,
79.2550

■ 28.9047, 33.2800,
79.7638

■ 31.7442, 36.9859,
80.3295

■ 35.3101, 41.2063,
80.9561

■ 39.6692, 45.9780,
81.6474

■ 44.8803, 51.3336,
82.4065

■ 50.9963, 57.3026,
83.2363

■ 58.0654, 63.9122,
84.1395

■ 66.1324, 71.1876,
85.1186

Harmonies

Analogous

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



19.7153, 27.2081, 68.1914



25.0304, 27.2081, 78.7954



31.4797, 27.2081, 72.4673

Triad

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



25.0304, 27.2081, 78.7954



38.2084, 27.2081, 16.9793



17.1386, 27.2081, 14.2662

Complementary

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



25.0304, 27.2081, 78.7954



35.5806, 22.7170, 2.5113

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.



20.9532, 27.2081, 8.2340



25.0304, 27.2081, 78.7954



33.1659, 27.2081, 9.3005

Square

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



25.0304, 27.2081, 78.7954



39.7641, 27.2081, 32.0938



26.7087, 27.2081, 6.8734



15.6468, 27.2081, 27.2862

Rectangle

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



25.0304, 27.2081, 78.7954



35.4804, 27.2081, 60.4720



26.7087, 27.2081, 6.8734



18.1585, 27.2081, 11.5947

Sweetspot

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



25.0315, 27.2090, 78.7961



64.2827, 72.2596, 105.1672



29.7658, 57.1817, 17.1627



13.0291, 14.7626, 22.4127



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.



25.0315, 27.2090, 78.7961



31.5364, 34.1927, 99.5455



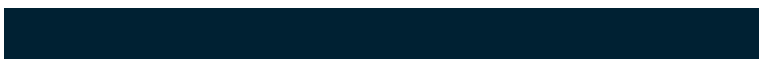
14.8717, 6.8895, 75.4095



14.3579, 15.4371, 18.3673



14.2880, 15.6381, 44.6486



1.1424, 1.3287, 3.3282

Inverse Universe

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



38.0590, 18.9944, 30.0947



48.0473, 23.9829, 37.7767



52.2633, 56.0823, 8.0721



14.7682, 14.5245, 16.9798



21.6054, 10.7764, 17.3490



1.6402, 0.8138, 1.5120

Previews

White Background



This preview shows how the XYZ color 25.0304, 27.2081, 78.7954 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 25.0304, 27.2081, 78.7954 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

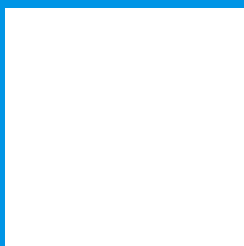
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.0304, 27.2081, 78.7954

Background



This preview shows how black text looks on a background with the XYZ color 25.0304, 27.2081, 78.7954.



This preview shows how white text looks on a background with the XYZ color 25.0304, 27.2081,

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

25.0304, 27.2081, 78.7954

Protanopia

28.8393, 27.0652, 72.1107

Deuteranopia

27.9848, 27.1035, 80.1005

Trichromacy



Original Color

25.0304, 27.2081, 78.7954

Protanomaly

25.8755, 26.3663, 74.2464

Deuteranomaly

26.0705, 26.8046, 79.4010

Monochromacy



Original Color

25.0304, 27.2081, 78.7954

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.3378, 18.9955, 34.2579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0304, 27.2081, 78.7954 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, 149, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 230)  
}
```

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, 149, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 230) }
```

Border

The CSS property to change the border of an element to XYZ 25.0304, 27.2081, 78.7954 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, 149, 230) }
```

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

```
.border{ border-color:rgb(0, 149, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 149, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 149,  
230) }
```


Background

The CSS property to change the background color of an element to XYZ 25.0304, 27.2081, 78.7954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 149, 230) }
```

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

```
.background{ background-color: rgb(0, 149,  
230) }
```

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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