

Converting Colors

XYZ(12.2351, 22.7317, 78.0171)

Have a look what the booklet for
XYZ(12.2351, 22.7317, 78.0171)
contains.

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Color

**XYZ(26.3697, 30.1109,
78.5509)**

Conversions

Conversions Part 1

Format	Color
Hex	009EE5
RGB	0, 158, 229
RGB Percent	0%, 62%, 90%
CMY	0.9998, 0.3804, 0.1020
CMYK	1.00, 0.31, 0.00, 0.10
HSL	199°, 100%, 45%
HSV	199°, 100%, 90%
XYZ	26.3697, 30.1109, 78.5509
YIQ	118.8520, -116.9590, -11.4150

Conversions

Conversions Part 2

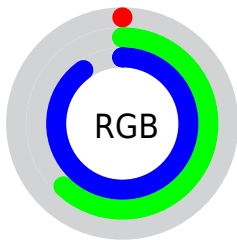
Format	Color
RYB	0, 93, 229
Decimal	40677
CIELab	61.75, -9.02, -45.32
CIELCh	62, 46.212, 258.741
Yxy	30.1109, 0.1953, 0.2230
Android (android.graphics.Color)	4278230757 (0xFF009EE5)
YUV	118.8520, 54.3030, -104.2332
Hunter-Lab	54.8734, -10.2493, -46.4619

Details

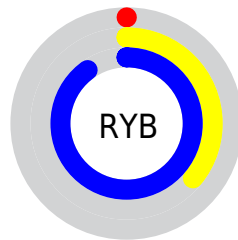
The XYZ color **26.3697, 30.1109, 78.5509** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **34.5704, 21.1718, 2.2661**, and the grayscale version is **17.3539, 18.2577, 19.8826**.

A 20% lighter version of the original color is **47.5373, 57.3711, 103.1760**, and **12.8005, 13.5325, 41.4725** is the 20% darker color. If you saturate the color by 10%, you get **26.3672, 30.1056, 78.5507**, and if you desaturate by 10%, it is **27.9691, 32.7864, 78.9837**.

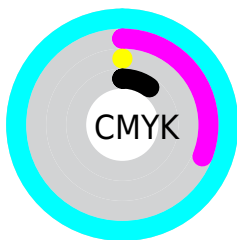
Distribution



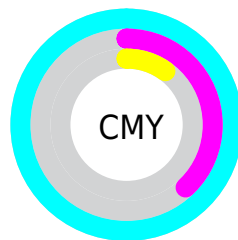
- Red (0%)
- Green (62%)
- Blue (90%)



- Red (0%)
- Yellow (36%)
- Blue (90%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (38%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.3697, 30.1109, 78.5509 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 26.3697, 30.1109, 78.5509 by changing the saturation by 10% instead.

■ 26.3697, 30.1109,
78.5509

■ 26.3697, 30.1109,
78.5509

276.8158,
302.4210, 509.6131

■ 17.2345, 19.9228,
58.0075

■ 53.2978, 59.8375,
133.1194

■ 10.4982, 12.3389,
41.3999

■ 71.8215, 80.1448,
167.9815

■ 5.7953, 6.9749,
28.3097

■ 94.2054, 104.5939,
208.4536

■ 2.7605, 3.4464,
18.3182

■ 120.8149,
133.5693, 254.9543

■ 1.0284, 1.3690,
11.0068

■ 152.0153,
167.4553, 307.9020

■ 0.0000, 0.1937,
5.9572

188.1720,

■ 0.0000, 0.0000,

206.6363, 367.7154

2.7507

229.6504,
251.4968, 434.8129

■ 0.0000, 0.0000,
0.9688

■ 0.0000, 0.0000,
0.0000

■ 26.3697, 30.1109,
78.5509

■ 26.3697, 30.1109,
78.5509

■ 26.3672, 30.1056,
78.5507

■ 27.9691, 32.7864,
78.9837

■ 30.0548, 35.8179,
79.4589

■ 32.7616, 39.2768,
79.9839

■ 36.1674, 43.2050,
80.5626

■ 40.3379, 47.6378,
81.1984

■ 45.3307, 52.6067,
81.8943

■ 51.1976, 58.1396,
82.6531

■ 57.9858, 64.2626,
83.4771

■ 65.7392, 70.9997,
84.3689

Harmonies

Analogous

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



21.5004, 30.1109, 65.4513



26.3697, 30.1109, 78.5509



32.5945, 30.1109, 76.5180

Triad

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



26.3697, 30.1109, 78.5509



41.3589, 30.1109, 23.0535



20.6101, 30.1109, 15.1235

Complementary

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



26.3697, 30.1109, 78.5509



34.5704, 21.1718, 2.2661

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.



24.9816, 30.1109, 10.0180



26.3697, 30.1109, 78.5509



37.1586, 30.1109, 13.3312

Square

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



26.3697, 30.1109, 78.5509



41.8722, 30.1109, 39.8611



30.9938, 30.1109, 9.5073



18.5075, 30.1109, 26.6013

Rectangle

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



26.3697, 30.1109, 78.5509



36.6865, 30.1109, 66.9810



30.9938, 30.1109, 9.5073



21.8313, 30.1109, 12.8127

Sweetspot

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



26.3708, 30.1119, 78.5517



65.1783, 74.0508, 105.4657



29.0864, 56.4659, 14.9539



13.2433, 15.1910, 22.4841



0.0000, 0.0000, 0.0000



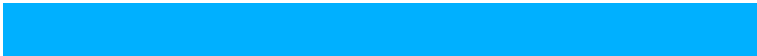
20.3446, 21.4041, 23.3091

Same Dimension

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



26.3708, 30.1119, 78.5517



33.5598, 38.2396, 100.2199



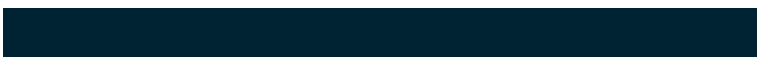
15.1146, 7.5994, 74.7996



14.4106, 15.5426, 18.3848



15.1871, 17.4363, 44.9483



1.2040, 1.4519, 3.3488

Inverse Universe

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



38.4857, 19.1281, 34.0122



49.0686, 24.3915, 43.1551



49.2909, 50.6127, 7.1729



14.7948, 14.5351, 17.1200



22.0593, 10.9579, 19.7388



1.6714, 0.8263, 1.6759

Previews

White Background



This preview shows how the XYZ color 26.3697, 30.1109, 78.5509 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 26.3697, 30.1109, 78.5509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

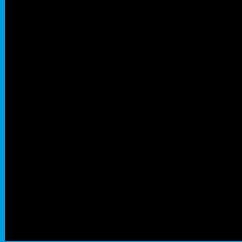
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 26.3697, 30.1109, 78.5509

Background



This preview shows how black text looks on a background with the XYZ color 26.3697, 30.1109, 78.5509.



This preview shows how white text looks on a background with the XYZ color 26.3697, 30.1109,

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

26.3697, 30.1109, 78.5509

Protanopia

31.3772, 29.9573, 71.1464

Deuteranopia

30.7226, 29.8924, 79.7519



Tritanopia

21.3909, 30.0846, 46.2745

Trichromacy



Original Color

26.3697, 30.1109, 78.5509

Protanomaly

27.4501, 28.8027, 73.9247

Deuteranomaly

27.7579, 29.3279, 79.0608

Tritanomaly

22.8841, 29.8262, 56.7755

Monochromacy



Original Color

26.3697, 30.1109, 78.5509

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.6260, 20.8148, 35.8895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.3697, 30.1109, 78.5509 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, 158, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 229)  
}
```

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, 158, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 229) }
```

Border

The CSS property to change the border of an element to XYZ 26.3697, 30.1109, 78.5509 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, 158, 229) }
```


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

```
.border{ border-color:rgb(0, 158, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 229);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 26.3697, 30.1109, 78.5509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 229) }
```

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

```
.background{ background-color: rgb(0, 158,  
229) }
```

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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