

Converting Colors

XYZ(23.4933, 27.7288, 78.2006)

Have a look what the booklet for
XYZ(23.4933, 27.7288, 78.2006)
contains.

XYZ(25.6985, 28.7683, 78.3271)	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>	30

Color

**XYZ(25.6985, 28.7683,
78.3271)**

Conversions

Conversions Part 1

Format	Color
Hex	009AE5
RGB	0, 154, 229
RGB Percent	0%, 60%, 90%
CMY	0.9997, 0.3961, 0.1020
CMYK	1.00, 0.33, 0.00, 0.10
HSL	200°, 100%, 45%
HSV	200°, 100%, 90%
XYZ	25.6985, 28.7683, 78.3271
YIQ	116.5040, -115.8590, -9.3230

Conversions

Conversions Part 2

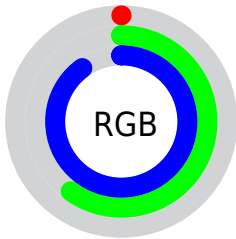
Format	Color
R _Y B	0, 92, 229
Decimal	39653
CIE Lab	60.58, -6.76, -47.18
CIE LCh	61, 47.657, 261.850
Yxy	28.7683, 0.1935, 0.2166
Android (android.graphics.Color)	4278229733 (0xFF009AE5)
YUV	116.5040, 55.4605, -102.1740
Hunter-Lab	53.6361, -8.3390, -49.0385

Details

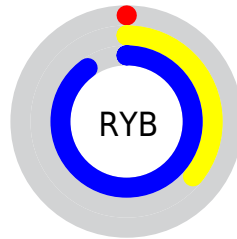
The XYZ color **25.6985, 28.7683, 78.3271** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **34.8343, 21.6995, 2.3544**, and the grayscale version is **16.6220, 17.4876, 19.0440**.

A 20% lighter version of the original color is **46.5497, 55.3959, 102.8468**, and **12.3931, 12.7176, 41.3367** is the 20% darker color. If you saturate the color by 10%, you get **25.6951, 28.7615, 78.3266**, and if you desaturate by 10%, it is **27.3286, 31.5050, 78.7700**.

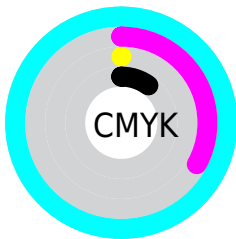
Distribution



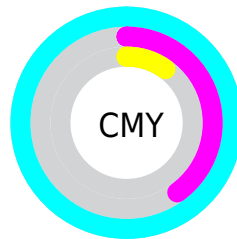
- Red (0%)
- Green (60%)
- Blue (90%)



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



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (40%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.6985, 28.7683, 78.3271 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 25.6985, 28.7683, 78.3271 by changing the saturation by 10% instead.

■ 25.6985, 28.7683,
78.3271

■ 25.6985, 28.7683,
78.3271

273.5828,
296.1202, 508.8343

■ 16.7297, 18.9056,
57.8247

■ 52.2229, 57.7088,
132.8012

■ 10.1361, 11.6021,
41.2539

■ 70.5093, 77.5553,
167.6099

■ 5.5522, 6.4734,
28.1964

■ 92.6322, 101.4986,
208.0245

■ 2.6128, 3.1350,
18.2334

■ 118.9571,
129.9231, 254.4635

■ 0.9525, 1.2026,
10.9465

■ 149.8492,
163.2131, 307.3455

■ 0.0000, 0.0638,
5.9172

185.6739,

■ 0.0000, 0.0000,

201.7530, 367.0889

2.7268

226.7967,
245.9272, 434.1123

■ 0.0000, 0.0000,
0.9569

■ 0.0000, 0.0000,
0.0000

■ 25.6985, 28.7683,
78.3271

■ 25.6985, 28.7683,
78.3271

■ 25.6951, 28.7615,
78.3266

■ 27.3286, 31.5050,
78.7700

■ 29.4527, 34.6129,
79.2580

■ 32.2058, 38.1640,
79.7983

■ 35.6660, 42.2005,
80.3951

■ 39.8991, 46.7581,
81.0517

■ 44.9630, 51.8685,
81.7712

■ 50.9096, 57.5604,
82.5564

■ 57.7864, 63.8598,
83.4099

■ 65.6373, 70.7913,
84.3340

Harmonies

Analogous

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



20.6604, 28.7683, 66.2860



25.6985, 28.7683, 78.3271



31.9925, 28.7683, 74.5321

Triad

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



25.6985, 28.7683, 78.3271



39.8753, 28.7683, 20.3197



19.0470, 28.7683, 14.6956

Complementary

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



25.6985, 28.7683, 78.3271



34.8343, 21.6995, 2.3544

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.



23.1681, 28.7683, 9.2106



25.6985, 28.7683, 78.3271



35.3315, 28.7683, 11.5048

Square

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



25.6985, 28.7683, 78.3271



40.8230, 28.7683, 36.3827



29.0570, 28.7683, 8.3153



17.2151, 28.7683, 26.7570

Rectangle

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



25.6985, 28.7683, 78.3271



36.0310, 28.7683, 63.9927



29.0570, 28.7683, 8.3153



20.1782, 28.7683, 12.2419

Sweetspot

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



25.6996, 28.7692, 78.3278



64.8047, 73.3035, 105.3412



29.2085, 56.5148, 15.5966



13.1538, 15.0121, 22.4543



0.0000, 0.0000, 0.0000



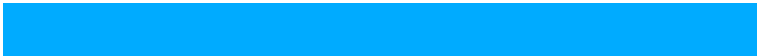
20.3446, 21.4041, 23.3091

Same Dimension

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



25.6996, 28.7692, 78.3278



32.7001, 36.5203, 99.9334



14.9731, 7.3163, 74.7524



14.3887, 15.4988, 18.3775



14.8054, 16.6729, 44.8210



1.1780, 1.3998, 3.3401

Inverse Universe

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



38.1469, 18.9927, 32.2278



48.6347, 24.2179, 40.8700



50.0903, 52.2115, 7.4397



14.7838, 14.5307, 17.0618



21.8666, 10.8809, 18.7242



1.6582, 0.8210, 1.6066

Previews

White Background



This preview shows how the XYZ color 25.6985, 28.7683, 78.3271 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 25.6985, 28.7683, 78.3271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

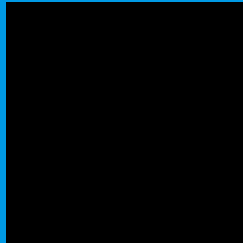
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

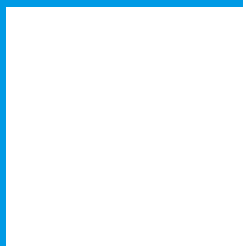
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.6985, 28.7683, 78.3271

Background



This preview shows how black text looks on a background with the XYZ color 25.6985, 28.7683, 78.3271.

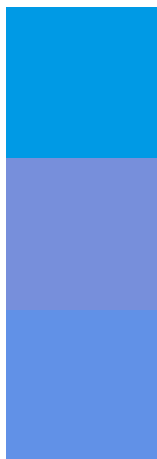


This preview shows how white text looks on a background with the XYZ color 25.6985, 28.7683,

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

25.6985, 28.7683, 78.3271

Protanopia

30.2164, 28.6813, 70.9613

Deuteranopia

29.4790, 28.5617, 79.5606

Trichromacy



Original Color

25.6985, 28.7683, 78.3271

Protanomaly

26.7335, 27.7316, 73.7558

Deuteranomaly

26.8594, 27.9171, 78.8358

Monochromacy



Original Color

25.6985, 28.7683, 78.3271

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.9782, 19.8897, 35.2920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.6985, 28.7683, 78.3271 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, 154, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 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, 154, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 229) }
```

Border

The CSS property to change the border of an element to XYZ 25.6985, 28.7683, 78.3271 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, 154, 229) }
```

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

```
.border{ border-color:rgb(0, 154, 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, 154, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 229);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
229) }
```


Background

The CSS property to change the background color of an element to XYZ 25.6985, 28.7683, 78.3271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 229) }
```

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

```
.background{ background-color: rgb(0, 154,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor