

Converting Colors

XYZ(25.4040, 24.8629, 84.8653)

Have a look what the booklet for
XYZ(25.4040, 24.8629, 84.8653)
contains.

XYZ(25.3960, 24.7840, 85.1066)	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(25.3960, 24.7840,
85.1066)**

Conversions

Conversions Part 1

Format	Color
Hex	248AEF
RGB	36, 138, 239
RGB Percent	14%, 54%, 94%
CMY	0.8587, 0.4588, 0.0627
CMYK	0.85, 0.42, 0.00, 0.06
HSL	210°, 86%, 54%
HSV	210°, 85%, 94%
XYZ	25.3960, 24.7840, 85.1066
YIQ	119.0160, -93.2130, 9.7870

Conversions

Conversions Part 2

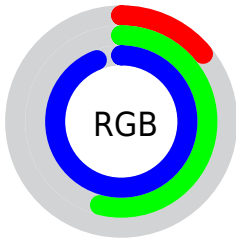
Format	Color
R_{YB}	36, 104, 239
Decimal	2394863
CIE Lab	56.86, 7.97, -58.60
CIE LCh	57, 59.143, 277.746
Yxy	24.7840, 0.1877, 0.1832
Android (android.graphics.Color)	4280584943 (0xFF248AEF)
YUV	119.0160, 59.1521, -72.8050
Hunter-Lab	49.7835, 3.9368, -66.5098

Details

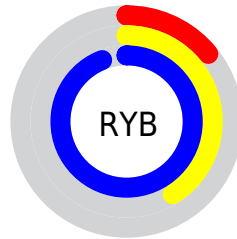
The XYZ color **25.3960, 24.7840, 85.1066** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **44.8646, 36.3762, 6.3276**, and the grayscale version is **17.3821, 18.2873, 19.9149**.

A 20% lighter version of the original color is **44.0169, 48.2635, 101.6036**, and **12.0159, 10.5222, 45.6536** is the 20% darker color. If you saturate the color by 10%, you get **23.2082, 21.2605, 84.5424**, and if you desaturate by 10%, it is **28.3283, 28.9690, 85.7604**.

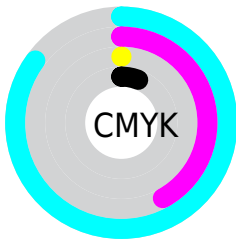
Distribution



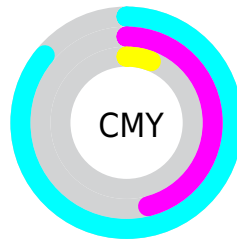
- Red (14%)
- Green (54%)
- Blue (94%)



- Red (14%)
- Yellow (41%)
- Blue (94%)



- Cyan (85%)
- Magenta (42%)
- Yellow (0%)
- Black (6%)



- Cyan (86%)
- Magenta (46%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.3960, 24.7840, 85.1066 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 25.3960, 24.7840, 85.1066 by changing the saturation by 10% instead.

■ 25.3960, 24.7840,
85.1066

■ 25.3960, 24.7840,
85.1066

272.1157,
276.7605, 532.1345

■ 16.5026, 15.9162,
63.3788

■ 51.7372, 51.3066,
142.3976

■ 9.9736, 9.4649,
45.7048

■ 69.9158, 69.7302,
178.7979

■ 5.4436, 5.0456,
31.6659

■ 91.9201, 92.1078,
220.9260

■ 2.5472, 2.2741,
20.8438

■ 118.1155,
118.8239, 269.2007

■ 0.9191, 0.7599,
12.8197

■ 148.8675,
150.2628, 324.0403

■ 0.0000, 0.0000,
7.1752

184.5413,

■ 0.0000, 0.0000,

186.8090, 385.8635

3.4918

225.5022,
228.8467, 455.0887

■ 0.0000, 0.0000,
1.3509

■ 0.0000, 0.0000,
0.1030

■ 25.3960, 24.7840,
85.1066

■ 25.3960, 24.7840,
85.1066

■ 23.2082, 21.2605,
84.5424

■ 28.3283, 28.9690,
85.7604

■ 22.3057, 19.6833,
84.2855

■ 32.1031, 33.8740,
86.5082

■ 36.8048, 39.5508,
87.3561

■ 42.5056, 46.0445,
88.3091

■ 49.2700, 53.3957,
89.3715

■ 57.1564, 61.6420,
90.5475

■ 66.2190, 70.8181,
91.8410

■ 76.5080, 80.9568,
93.2557

■ 88.0708, 92.0891,
94.7950

Harmonies

Analogous

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



18.8674, 24.7840, 79.8609



25.3960, 24.7840, 85.1066



32.6782, 24.7840, 69.7335

Triad

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



25.3960, 24.7840, 85.1066



35.7241, 24.7840, 9.7324



13.2617, 24.7840, 14.9722

Complementary

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



25.3960, 24.7840, 85.1066



44.8646, 36.3762, 6.3276

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.



16.3129, 24.7840, 6.6753



25.3960, 24.7840, 85.1066



28.9643, 24.7840, 4.8488

Square

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



25.3960, 24.7840, 85.1066



39.3564, 24.7840, 22.1678



21.8079, 24.7840, 4.0980



12.6775, 24.7840, 32.4553

Rectangle

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



25.3960, 24.7840, 85.1066



36.6982, 24.7840, 52.8636



21.8079, 24.7840, 4.0980



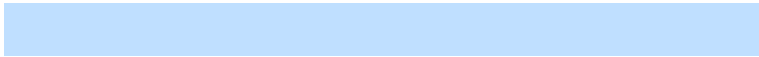
13.9993, 24.7840, 11.3280

Sweetspot

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



25.3971, 24.7847, 85.1073



66.0610, 71.2531, 104.8792



35.9072, 63.8337, 33.0301



13.4193, 14.5055, 22.3425



0.0000, 0.0000, 0.0000



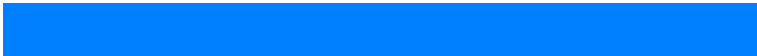
20.3446, 21.4041, 23.3091

Same Dimension

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



25.3971, 24.7847, 85.1073



25.7841, 22.6882, 97.6280



17.0474, 8.0854, 82.3240



15.5535, 16.5411, 20.0946



12.4580, 11.1403, 46.6216



1.1359, 1.1258, 3.9117

Inverse Universe

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



40.8159, 21.4490, 26.0339



45.1438, 22.8215, 22.4872



65.8011, 78.2494, 13.3065



16.1041, 15.8913, 18.1043



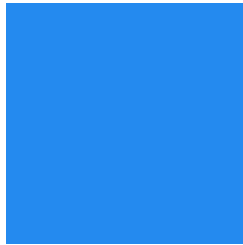
21.6138, 10.9180, 11.1490



1.8483, 0.9284, 1.1920

Previews

White Background



This preview shows how the XYZ color 25.3960, 24.7840, 85.1066 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 25.3960, 24.7840, 85.1066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

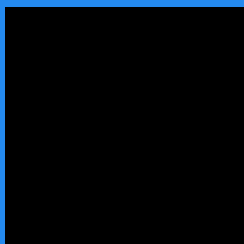
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

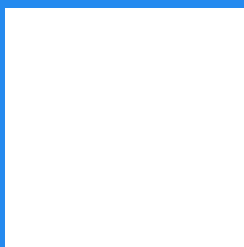
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.3960, 24.7840, 85.1066

Background



This preview shows how black text looks on a background with the XYZ color 25.3960, 24.7840, 85.1066.



This preview shows how white text looks on a background with the XYZ color 25.3960, 24.7840,

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

25.3960, 24.7840, 85.1066

Protanopia

27.2736, 24.6099, 80.4035

Deuteranopia

25.5644, 24.6588, 85.0736



Tritanopia

17.4996, 24.7064, 37.5647

Trichromacy



Original Color

25.3960, 24.7840, 85.1066

Protanomaly

26.1190, 24.3879, 81.9280

Deuteranomaly

25.4401, 24.5947, 85.0678

Tritanomaly

19.6302, 24.3175, 51.8032

Monochromacy



Original Color

25.3960, 24.7840, 85.1066

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.1915, 19.6899, 37.4921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.3960, 24.7840, 85.1066 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(36, 138, 239)` looks like.

```
.text, #text, p{  
    color:rgb(36, 138, 239)  
}
```

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(36, 138, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 138, 239) }
```

Border

The CSS property to change the border of an element to XYZ 25.3960, 24.7840, 85.1066 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(36, 138, 239) }
```


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

```
.border{ border-color:rgb(36, 138, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 138, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 138, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 138, 239);  
box-shadow:4px 4px 4px 4px rgb(36, 138,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 25.3960, 24.7840, 85.1066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 138, 239) }
```

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

```
.background{ background-color: rgb(36, 138,  
239) }
```

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