

Converting Colors

XYZ(47.8716, 67.9871, 94.1686)

Have a look what the booklet for
XYZ(47.8716, 67.9871, 94.1686)
contains.

XYZ(47.6827, 67.7035, 93.7740)	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(47.6827, 67.7035,
93.7740)**

Conversions

Conversions Part 1

Format	Color
Hex	36EDF1
RGB	54, 237, 241
RGB Percent	21%, 93%, 95%
CMY	0.7882, 0.0706, 0.0549
CMYK	0.78, 0.02, 0.00, 0.05
HSL	181°, 87%, 58%
HSV	181°, 78%, 95%
XYZ	47.6827, 67.7035, 93.7740
YIQ	182.7390, -110.3520, -37.5520

Conversions

Conversions Part 2

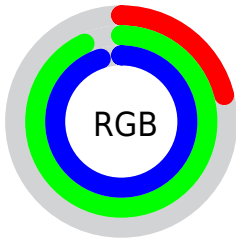
Format	Color
R _{YB}	54, 146, 241
Decimal	3599857
CIE Lab	85.86, -41.75, -14.67
CIE LCh	86, 44.252, 199.357
Yxy	67.7035, 0.2280, 0.3237
Android (android.graphics.Color)	4281789937 (0xFF36EDF1)
YUV	182.7390, 28.7227, -112.9041
Hunter-Lab	82.2821, -40.5526, -9.9732

Details

The XYZ color **47.6827, 67.7035, 93.7740** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **38.4562, 21.9951, 5.7106**, and the grayscale version is **44.7612, 47.0923, 51.2835**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **25.0782, 36.1453, 51.5539** is the 20% darker color. If you saturate the color by 10%, you get **46.5466, 66.8981, 93.6797**, and if you desaturate by 10%, it is **49.4634, 68.8448, 93.9017**.

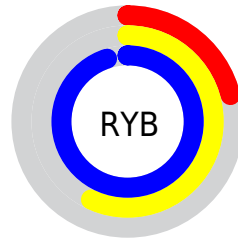
Distribution



Red (21%)

Green (93%)

Blue (95%)



Red (21%)

Yellow (57%)

Blue (95%)

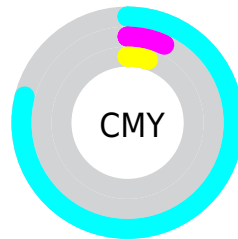


Cyan (78%)

Magenta (2%)

Yellow (0%)

Black (5%)



Cyan (79%)

Magenta (7%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6827, 67.7035, 93.7740 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 47.6827, 67.7035, 93.7740 by changing the saturation by 10% instead.


 47.6827, 67.7035,
93.7740


 47.6827, 67.7035,
93.7740


368.1366,
452.4448, 561.1163


 33.7859, 49.6566,
70.5238


 85.9443, 115.9279,
154.5507

 22.8913, 35.1406,
51.4742


 111.0399,
146.8741, 192.9143

 14.6335, 23.7712,
36.2068

 140.5990,
182.8889, 237.1527

 8.6472, 15.1640,
24.3030

 174.9872,
224.3566, 287.6845

 4.5670, 8.9345,
15.3443

214.5697,
271.6616, 344.9282

 2.0277, 4.6985,
8.9120

259.7118,

 0.6494, 2.0715,

325.1884, 409.3024

4.5878

310.7790,
385.3213, 481.2256

■ 0.0000, 0.6485,
1.9531

■ 0.0000, 0.0000,
0.5262

■ 47.6827, 67.7035,
93.7740

■ 47.6827, 67.7035,
93.7740

■ 46.5466, 66.8981,
93.6797

■ 49.4634, 68.8448,
93.9017


■ 45.9378, 66.3637,
93.6086

■ 51.9659, 70.3573,
94.0617


■ 45.8292, 66.2546,
93.5933


■ 55.2631, 72.2801,
94.2591


■ 59.4173, 74.6455,
94.4967

 64.4849, 77.4823,
94.7772

 70.5172, 80.8170,
95.1029

 77.5619, 84.6743,
95.4761

 85.6633, 89.0771,
95.8990

 88.7629, 90.9019,
96.0878

Harmonies

Analogous

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



47.0588, 67.7035, 63.8975



47.6827, 67.7035, 93.7740



52.4903, 67.7035, 124.6013

Triad

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



47.6827, 67.7035, 93.7740



80.2724, 67.7035, 116.2968



68.0110, 67.7035, 31.3937

Complementary

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



47.6827, 67.7035, 93.7740



38.4562, 21.9951, 5.7106

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.



77.8740, 67.7035, 39.0031



47.6827, 67.7035, 93.7740



85.4300, 67.7035, 84.4955

Square

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



47.6827, 67.7035, 93.7740



71.0175, 67.7035, 139.7824



84.5090, 67.7035, 56.7466



58.1138, 67.7035, 32.6506

Rectangle

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



47.6827, 67.7035, 93.7740



57.7314, 67.7035, 139.1285



84.5090, 67.7035, 56.7466



71.4564, 67.7035, 32.8997

Sweetspot

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



47.6848, 67.7060, 93.7756



76.2673, 89.7252, 107.9067



33.7198, 63.9930, 14.4629



15.8125, 18.9212, 23.0687



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.



47.6848, 67.7060, 93.7756



52.4603, 75.6744, 106.4494



27.4324, 27.2013, 87.0248



16.2167, 17.8675, 20.3157



24.8654, 35.9551, 50.7574



2.0777, 3.0094, 4.2256

Inverse Universe

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



52.8826, 27.4555, 82.6356



58.6981, 28.5855, 92.8081



47.9488, 40.9803, 8.8748



16.4388, 16.0252, 19.8671



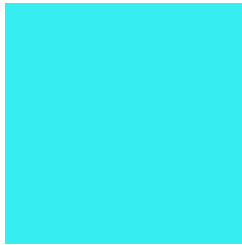
27.8765, 13.4230, 44.1279



2.3237, 1.1185, 3.6954

Previews

White Background



This preview shows how the XYZ color 47.6827, 67.7035, 93.7740 looks on a white background.

Color Contrast Check

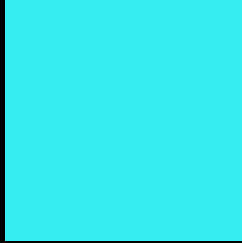
Large Text (above 18pt) WCAG AA × Fail

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 47.6827, 67.7035, 93.7740 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 47.6827, 67.7035, 93.7740

Background



This preview shows how black text looks on a background with the XYZ color 47.6827, 67.7035, 93.7740.

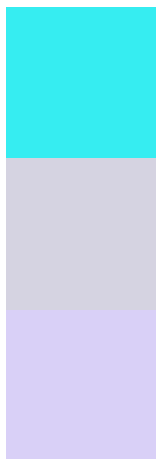


This preview shows how white text looks on a background with the XYZ color 47.6827, 67.7035,

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

47.6827, 67.7035, 93.7740

Protanopia

64.3254, 66.1709, 80.6161

Deuteranopia

67.9596, 66.5789, 97.2648



Tritanopia

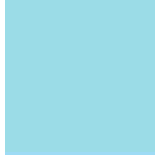
49.7777, 67.6962, 104.2091

Trichromacy



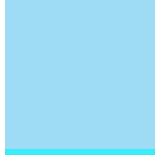
Original Color

47.6827, 67.7035, 93.7740



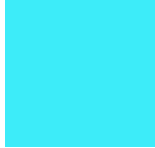
Protanomaly

53.5346, 63.9245, 85.1184



Deuteranomaly

55.9135, 64.5247, 95.8938



Tritanomaly

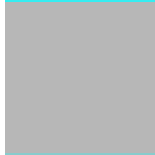
49.0188, 67.8226, 100.1300

Monochromacy



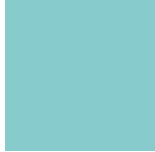
Original Color

47.6827, 67.7035, 93.7740



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

42.4084, 52.3057, 64.9876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6827, 67.7035, 93.7740 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(54, 237, 241)` looks like.

```
.text, #text, p{  
  color:rgb(54, 237, 241)  
}
```

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(54, 237, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 237, 241) }
```

Border

The CSS property to change the border of an element to XYZ 47.6827, 67.7035, 93.7740 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(54, 237, 241) }
```


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

```
.border{ border-color:rgb(54, 237, 241) }
```

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

Here you see how a box with a 4 pixel rgb(54, 237, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 237, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 237, 241);  
box-shadow:4px 4px 4px 4px rgb(54, 237,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6827, 67.7035, 93.7740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 237, 241) }
```

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

```
.background{ background-color: rgb(54, 237,  
241) }
```

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