

Converting Colors

XYZ(27.3277, 29.8429, 82.2062)

Have a look what the booklet for
XYZ(27.3277, 29.8429, 82.2062)
contains.

XYZ(27.2658, 29.7405, 82.1453)	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(27.2658, 29.7405,
82.1453)**

Conversions

Conversions Part 1

Format	Color
Hex	239BEA
RGB	35, 155, 234
RGB Percent	14%, 61%, 92%
CMY	0.8626, 0.3922, 0.0823
CMYK	0.85, 0.34, 0.00, 0.08
HSL	204°, 83%, 53%
HSV	204°, 85%, 92%
XYZ	27.2658, 29.7405, 82.1453
YIQ	128.1260, -96.8790, -0.8710

Conversions

Conversions Part 2

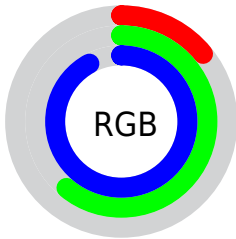
Format	Color
R _Y B	35, 110, 234
Decimal	2333674
CIE Lab	61.43, -3.99, -48.57
CIE LCh	61, 48.734, 265.304
Yxy	29.7405, 0.1959, 0.2137
Android (android.graphics.Color)	4280523754 (0xFF239BEA)
YUV	128.1260, 52.1959, -81.6715
Hunter-Lab	54.5349, -6.1913, -51.1335

Details

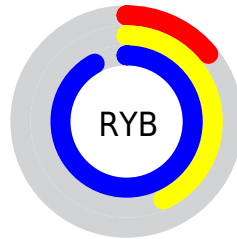
The XYZ color **27.2658, 29.7405, 82.1453** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **40.2558, 29.6543, 5.1942**, and the grayscale version is **20.4131, 21.4762, 23.3876**.

A 20% lighter version of the original color is **48.0529, 56.5339, 102.9872**, and **12.9862, 13.1150, 43.9665** is the 20% darker color. If you saturate the color by 10%, you get **25.2322, 26.4848, 81.6247**, and if you desaturate by 10%, it is **29.9489, 33.5084, 82.7318**.

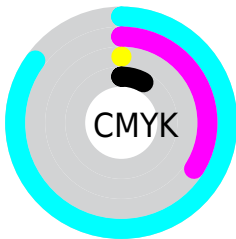
Distribution



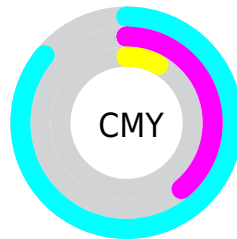
- Red (14%)
- Green (61%)
- Blue (92%)



- Red (14%)
- Yellow (43%)
- Blue (92%)



- Cyan (85%)
- Magenta (34%)
- Yellow (0%)
- Black (8%)



- Cyan (86%)
- Magenta (39%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2658, 29.7405, 82.1453 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 27.2658, 29.7405, 82.1453 by changing the saturation by 10% instead.

■ 27.2658, 29.7405,
82.1453

■ 27.2658, 29.7405,
82.1453

281.0859,
300.6930, 522.0298

■ 17.9106, 19.6417,
60.9488

■ 54.7270, 59.2516,
138.2163

■ 10.9851, 12.1349,
43.7536

■ 73.5636, 79.4326,
173.9278

■ 6.1240, 6.8356,
30.1410

■ 96.2915, 103.7432,
215.3147

■ 2.9620, 3.3595,
19.6927

■ 123.2759,
132.5677, 262.7957

■ 1.1337, 1.3222,
11.9900

■ 154.8821,
166.2905, 316.7891

■ 0.0530, 0.1583,
6.6144

191.4757,

■ 0.0000, 0.0000,

205.2961, 377.7135

3.1474

233.4218,
249.9688, 445.9876

■ 0.0000, 0.0000,
1.1704

■ 0.0000, 0.0000,
0.0000

■ 27.2658, 29.7405,
82.1453

■ 27.2658, 29.7405,
82.1453

■ 25.2322, 26.4848,
81.6247

■ 29.9489, 33.5084,
82.7318

■ 24.3903, 25.0184,
81.3860

■ 33.3714, 37.8376,
83.3870

■ 37.6109, 42.7721,
84.1160

■ 42.7334, 48.3495,
84.9226

■ 48.7977, 54.6038,
85.8102

■ 55.8572, 61.5656,
86.7819

■ 63.9608, 69.2637,
87.8407

■ 73.1544, 77.7249,
88.9893

■ 83.4806, 86.9744,
90.2304

Harmonies

Analogous

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



21.7885, 29.7405, 71.1667



27.2658, 29.7405, 82.1453



33.8974, 29.7405, 76.1878

Triad

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



27.2658, 29.7405, 82.1453



41.0050, 29.7405, 19.4665



19.2599, 29.7405, 16.1000

Complementary

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



27.2658, 29.7405, 82.1453



40.2558, 29.6543, 5.1942

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.



23.2982, 29.7405, 9.7384



27.2658, 29.7405, 82.1453



35.9181, 29.7405, 11.1006

Square

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



27.2658, 29.7405, 82.1453



42.4918, 29.7405, 35.3732



29.2933, 29.7405, 8.3376



17.6351, 29.7405, 29.5650

Rectangle

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



27.2658, 29.7405, 82.1453



38.0151, 29.7405, 64.2776



29.2933, 29.7405, 8.3376



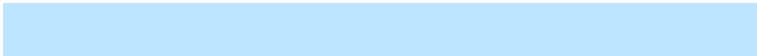
20.3472, 29.7405, 13.2955

Sweetspot

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



27.2670, 29.7415, 82.1461



66.8919, 73.8604, 105.3387



33.0028, 60.3582, 25.0363



13.6585, 15.1647, 22.4572



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.



27.2670, 29.7415, 82.1461



29.5656, 30.2511, 98.8885



17.0705, 9.3486, 78.7473



14.9868, 16.0600, 19.2323



13.8322, 14.3113, 45.7763



1.1797, 1.3108, 3.6257

Inverse Universe

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



40.4502, 21.0627, 32.9445



47.0525, 23.5850, 32.5383



57.4771, 64.0968, 10.9346



15.4469, 15.2066, 17.6386



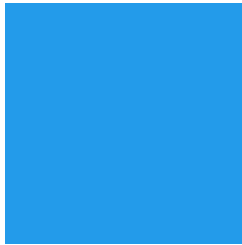
21.8371, 10.9375, 15.4755



1.7619, 0.8777, 1.4637

Previews

White Background



This preview shows how the XYZ color 27.2658, 29.7405, 82.1453 looks on a white background.

Color Contrast Check

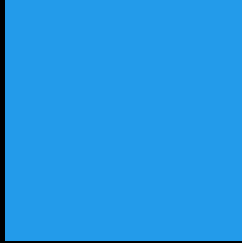
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2658, 29.7405, 82.1453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

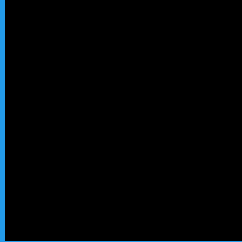
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

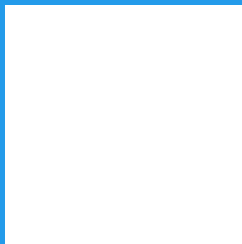
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.2658, 29.7405, 82.1453

Background



This preview shows how black text looks on a background with the XYZ color 27.2658, 29.7405, 82.1453.

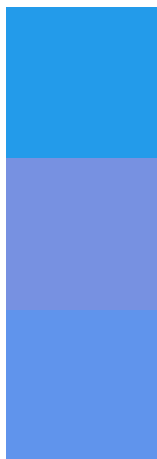


This preview shows how white text looks on a background with the XYZ color 27.2658, 29.7405,

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

27.2658, 29.7405, 82.1453

Protanopia

31.3238, 29.6090, 75.2983

Deuteranopia

30.5541, 29.7227, 83.4836



Tritanopia

21.1119, 29.6855, 45.6915

Trichromacy



Original Color

27.2658, 29.7405, 82.1453

Protanomaly

28.7755, 29.1710, 77.5127

Deuteranomaly

28.8860, 29.5872, 82.7857

Tritanomaly

22.9889, 29.6065, 57.3263

Monochromacy



Original Color

27.2658, 29.7405, 82.1453

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.6796, 23.3467, 39.9756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2658, 29.7405, 82.1453 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(35, 155, 234)` looks like.

```
.text, #text, p{  
    color:rgb(35, 155, 234)  
}
```

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(35, 155, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 155, 234) }
```

Border

The CSS property to change the border of an element to XYZ 27.2658, 29.7405, 82.1453 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(35, 155, 234) }
```


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

```
.border{ border-color:rgb(35, 155, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 155, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 155, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 155, 234);  
box-shadow:4px 4px 4px 4px rgb(35, 155,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2658, 29.7405, 82.1453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 155, 234) }
```

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

```
.background{ background-color: rgb(35, 155,  
234) }
```

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