

Converting Colors

XYZ(27.7452, 34.8310, 75.2644)

Have a look what the booklet for
XYZ(27.7452, 34.8310, 75.2644)
contains.

XYZ(28.2629, 35.2149, 75.1196)	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(28.2629, 35.2149,
75.1196)**

Conversions

Conversions Part 1

Format	Color
Hex	00ADDF
RGB	0, 173, 223
RGB Percent	0%, 68%, 87%
CMY	0.9998, 0.3216, 0.1255
CMYK	1.00, 0.22, 0.00, 0.13
HSL	193°, 100%, 44%
HSV	193°, 100%, 87%
XYZ	28.2629, 35.2149, 75.1196
YIQ	126.9730, -119.1580, -21.1260

Conversions

Conversions Part 2

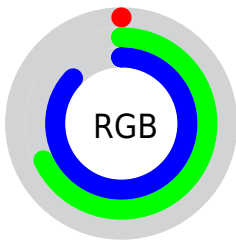
Format	Color
RYB	0, 97, 223
Decimal	44511
CIELab	65.92, -19.35, -35.49
CIELCh	66, 40.424, 241.395
Yxy	35.2149, 0.2039, 0.2541
Android (android.graphics.Color)	4278234591 (0xFF00ADDF)
YUV	126.9730, 47.3413, -111.3553
Hunter-Lab	59.3421, -18.8345, -33.5141

Details

The XYZ color **28.2629, 35.2149, 75.1196** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **31.5751, 17.9744, 1.8069**, and the grayscale version is **20.0420, 21.0857, 22.9623**.

A 20% lighter version of the original color is **52.0132, 66.3228, 104.6679**, and **13.9053, 16.5019, 39.4981** is the 20% darker color. If you saturate the color by 10%, you get **28.2609, 35.2107, 75.1196**, and if you desaturate by 10%, it is **29.5793, 37.3446, 75.4620**.

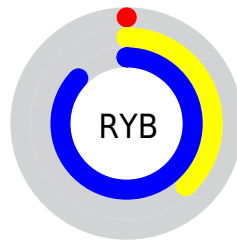
Distribution



Red (0%)

Green (68%)

Blue (87%)



Red (0%)

Yellow (38%)

Blue (87%)

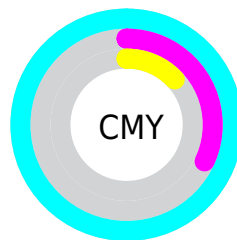


Cyan (100%)

Magenta (22%)

Yellow (0%)

Black (13%)



Cyan (100%)

Magenta (32%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2629, 35.2149, 75.1196 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 28.2629, 35.2149, 75.1196 by changing the saturation by 10% instead.

■ 28.2629, 35.2149,
75.1196

■ 28.2629, 35.2149,
75.1196

285.7784,
325.5159, 497.5949

■ 18.6654, 23.8285,
55.2086

■ 56.3096, 67.8185,
128.2303

■ 11.5313, 15.2064,
39.1690

■ 75.4895, 89.8045,
162.2670

■ 6.4953, 8.9644,
26.5824

■ 98.5943, 116.0925,
201.8494

■ 3.1920, 4.7180,
17.0302

■ 125.9893,
147.0669, 247.3960

■ 1.2561, 2.0827,
10.0938

■ 158.0398,
183.1120, 299.3253

■ 0.1500, 0.6549,
5.3548

195.1113,

■ 0.0000, 0.0000,

224.6123, 358.0558

2.3945

237.5690,
271.9521, 424.0062

■ 0.0000, 0.0000,
0.7835

■ 0.0000, 0.0000,
0.0000

■ 28.2629, 35.2149,
75.1196

■ 28.2629, 35.2149,
75.1196

■ 28.2609, 35.2107,
75.1196

■ 29.5793, 37.3446,
75.4620

■ 31.3211, 39.7468,
75.8339

■ 33.6158, 42.4885,
76.2421

■ 36.5356, 45.6075,
76.6903

■ 40.1415, 49.1356,
77.1812

■ 44.4867, 53.1008,
77.7176

■ 49.6190, 57.5285,
78.3017

■ 55.5823, 62.4416,
78.9357

■ 62.4170, 67.8615,
79.6216

Harmonies

Analogous

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



24.5855, 35.2149, 58.1782



28.2629, 35.2149, 75.1196



33.7513, 35.2149, 81.5730

Triad

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



28.2629, 35.2149, 75.1196



46.3288, 35.2149, 37.5473



27.8322, 35.2149, 16.5465

Complementary

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



28.2629, 35.2149, 75.1196



31.5751, 17.9744, 1.8069

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.



33.1917, 35.2149, 13.9487



28.2629, 35.2149, 75.1196



44.2739, 35.2149, 23.6223

Square

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



28.2629, 35.2149, 75.1196



44.6119, 35.2149, 56.3648



39.2819, 35.2149, 16.0931



24.3584, 35.2149, 24.6414

Rectangle

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



28.2629, 35.2149, 75.1196



37.8419, 35.2149, 77.8930



39.2819, 35.2149, 16.0931



29.4498, 35.2149, 15.1319

Sweetspot

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



28.2641, 35.2161, 75.1205



67.0540, 77.8022, 106.0909



26.9297, 52.9927, 11.6450



13.6938, 16.0920, 22.6343



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.



28.2641, 35.2161, 75.1205



38.2010, 47.5221, 101.7670



15.1102, 8.9082, 70.7358



13.8422, 15.0236, 17.5580



16.7049, 20.8793, 44.1980



1.2227, 1.5769, 3.0852

Inverse Universe

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



37.9754, 18.7066, 41.1455



51.4113, 25.3285, 55.4914



42.9741, 40.7724, 5.6066



14.1566, 13.8803, 16.5948



22.3720, 11.0158, 24.4227



1.5834, 0.7766, 1.8652

Previews

White Background



This preview shows how the XYZ color 28.2629, 35.2149, 75.1196 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 28.2629, 35.2149, 75.1196 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

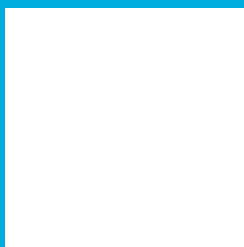
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.2629, 35.2149, 75.1196

Background



This preview shows how black text looks on a background with the XYZ color 28.2629, 35.2149, 75.1196.

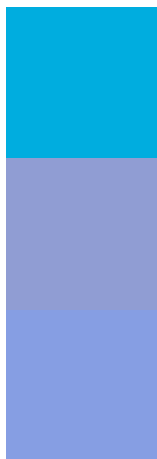


This preview shows how white text looks on a background with the XYZ color 28.2629, 35.2149,

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

28.2629, 35.2149, 75.1196

Protanopia

35.3164, 34.7464, 66.4734

Deuteranopia

35.9235, 35.0681, 77.5485



Tritanopia

25.1261, 35.2059, 54.7613

Trichromacy



Original Color

28.2629, 35.2149, 75.1196



Protanomaly

29.7766, 33.3760, 69.1628



Deuteranomaly

30.5710, 33.6167, 76.8289



Tritanomaly

26.3048, 35.3625, 61.9391

Monochromacy



Original Color

28.2629, 35.2149, 75.1196



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

19.8882, 24.3045, 37.8254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2629, 35.2149, 75.1196 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, 173, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 223)  
}
```

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, 173, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 223) }
```

Border

The CSS property to change the border of an element to XYZ 28.2629, 35.2149, 75.1196 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, 173, 223) }
```


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

```
.border{ border-color:rgb(0, 173, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 173, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2629, 35.2149, 75.1196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 223) }
```

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

```
.background{ background-color: rgb(0, 173,  
223) }
```

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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