

Converting Colors

XYZ(27.6821, 32.0481, 81.1081)

Have a look what the booklet for
XYZ(27.6821, 32.0481, 81.1081)
contains.

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Color

**XYZ(27.6627, 32.0206,
81.0665)**

Conversions

Conversions Part 1

Format	Color
Hex	00A3E8
RGB	0, 163, 232
RGB Percent	0%, 64%, 91%
CMY	0.9998, 0.3608, 0.0902
CMYK	1.00, 0.30, 0.00, 0.09
HSL	198°, 100%, 46%
HSV	198°, 100%, 91%
XYZ	27.6627, 32.0206, 81.0665
YIQ	122.1290, -119.2970, -13.0970

Conversions

Conversions Part 2

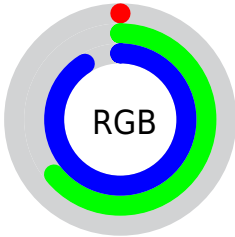
Format	Color
RYB	0, 96, 232
Decimal	41960
CIELab	63.36, -10.72, -44.44
CIELCh	63, 45.716, 256.442
Yxy	32.0206, 0.1965, 0.2275
Android (android.graphics.Color)	4278232040 (0xFF00A3E8)
YUV	122.1290, 54.1664, -107.1071
Hunter-Lab	56.5867, -11.7662, -45.3285

Details

The XYZ color **27.6627, 32.0206, 81.0665** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **35.4113, 21.4200, 2.2699**, and the grayscale version is **18.4039, 19.3624, 21.0856**.

A 20% lighter version of the original color is **49.1848, 60.4886, 103.6909**, and **13.6306, 14.7229, 43.1977** is the 20% darker color. If you saturate the color by 10%, you get **27.6598, 32.0145, 81.0662**, and if you desaturate by 10%, it is **29.2817, 34.7248, 81.5038**.

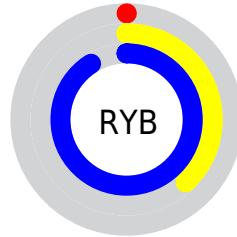
Distribution



Red (0%)

Green (64%)

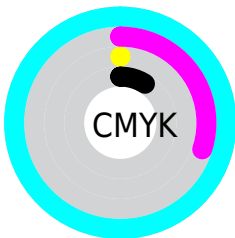
Blue (91%)



Red (0%)

Yellow (38%)

Blue (91%)

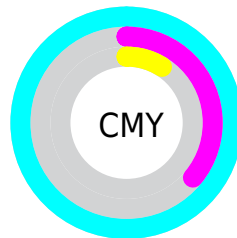


Cyan (100%)

Magenta (30%)

Yellow (0%)

Black (9%)



Cyan (100%)

Magenta (36%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6627, 32.0206, 81.0665 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 27.6627, 32.0206, 81.0665 by changing the saturation by 10% instead.

■ 27.6627, 32.0206,
81.0665

■ 27.6627, 32.0206,
81.0665

282.9610,
311.2131, 518.3210

■ 18.2107, 21.3772,
60.0650

■ 55.3579, 62.8434,
136.6891

■ 11.2020, 13.4000,
43.0454

■ 74.3318, 83.7916,
172.1472

■ 6.2711, 7.7046,
29.5891

■ 97.2104, 108.9435,
213.2614

■ 3.0529, 3.9065,
19.2775

■ 124.3590,
138.6836, 260.4501

■ 1.1818, 1.6214,
11.6921

■ 156.1430,
173.3962, 314.1319

■ 0.0919, 0.3720,
6.4144

192.9278,

■ 0.0000, 0.0000,

213.4657, 374.7253

3.0258

235.0787,
259.2765, 442.6488

■ 0.0000, 0.0000,
1.1078

■ 0.0000, 0.0000,
0.0000

■ 27.6627, 32.0206,
81.0665

■ 27.6627, 32.0206,
81.0665

■ 27.6598, 32.0145,
81.0662

■ 29.2817, 34.7248,
81.5038

■ 31.3970, 37.7853,
81.9831

■ 34.1469, 41.2753,
82.5118

■ 37.6116, 45.2375,
83.0939

■ 41.8590, 49.7085,
83.7331

■ 46.9482, 54.7200,
84.4322

■ 52.9328, 60.3012,
85.1940

■ 59.8613, 66.4783,
86.0211

■ 67.7788, 73.2759,
86.9159

Harmonies

Analogous

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



22.7767, 32.0206, 66.8164



27.6627, 32.0206, 81.0665



34.0207, 32.0206, 80.2702

Triad

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



27.6627, 32.0206, 81.0665



43.7021, 32.0206, 25.8796



22.4207, 32.0206, 15.9026

Complementary

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



27.6627, 32.0206, 81.0665



35.4113, 21.4200, 2.2699

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.



27.1099, 32.0206, 10.9410



27.6627, 32.0206, 81.0665



39.6412, 32.0206, 15.1770

Square

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



27.6627, 32.0206, 81.0665



43.9047, 32.0206, 43.7160



33.3858, 32.0206, 10.7321



20.0468, 32.0206, 27.2974

Rectangle

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



27.6627, 32.0206, 81.0665



38.2735, 32.0206, 71.2112



33.3858, 32.0206, 10.7321



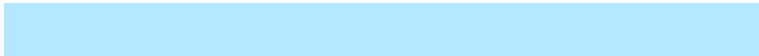
23.7466, 32.0206, 13.6312

Sweetspot

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



27.6639, 32.0216, 81.0673



65.4498, 74.5938, 105.5562



29.8345, 58.1049, 14.7631



13.3083, 15.3211, 22.5058



0.0000, 0.0000, 0.0000



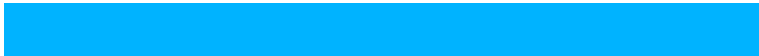
20.3446, 21.4041, 23.3091

Same Dimension

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



27.6639, 32.0216, 81.0673



34.1982, 39.5163, 100.4327



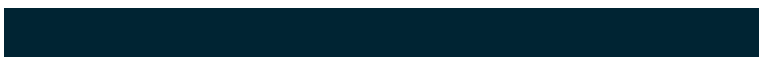
15.7206, 8.1350, 77.0862



14.4265, 15.5743, 18.3901



15.4703, 18.0027, 45.0427



1.2232, 1.4904, 3.3552

Inverse Universe

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



39.8907, 19.8017, 36.3708



49.3909, 24.5203, 44.8518



49.9557, 50.5087, 7.1180



14.8028, 14.5383, 17.1622



22.2022, 11.0151, 20.4915



1.6811, 0.8301, 1.7270

Previews

White Background



This preview shows how the XYZ color 27.6627, 32.0206, 81.0665 looks on a white background.

Color Contrast Check

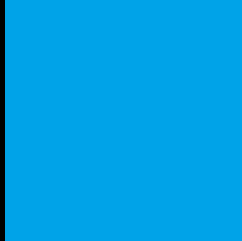
Large Text (above 18pt) WCAG AA × Fail

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 27.6627, 32.0206, 81.0665 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 27.6627, 32.0206, 81.0665

Background



This preview shows how black text looks on a background with the XYZ color 27.6627, 32.0206, 81.0665.



This preview shows how white text looks on a background with the XYZ color 27.6627, 32.0206,

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

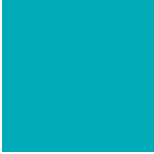
27.6627, 32.0206, 81.0665

Protanopia

33.0108, 31.7003, 72.7855

Deuteranopia

32.7792, 31.8341, 83.0142



Tritanopia

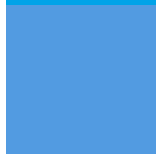
22.8182, 32.1268, 49.2544

Trichromacy



Original Color

27.6627, 32.0206, 81.0665



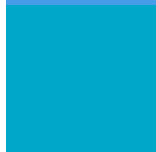
Protanomaly

28.7916, 30.6728, 75.6371



Deuteranomaly

29.3383, 31.0570, 82.2902



Tritanomaly

24.2440, 31.8076, 59.5053

Monochromacy



Original Color

27.6627, 32.0206, 81.0665



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

18.6091, 22.1197, 37.4711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6627, 32.0206, 81.0665 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, 163, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 232)  
}
```

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, 163, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 232) }
```

Border

The CSS property to change the border of an element to XYZ 27.6627, 32.0206, 81.0665 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, 163, 232) }
```


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

```
.border{ border-color:rgb(0, 163, 232) }
```

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

Here you see how a box with a 4 pixel rgb(0, 163, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6627, 32.0206, 81.0665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 232) }
```

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

```
.background{ background-color: rgb(0, 163,  
232) }
```

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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