

Converting Colors

XYZ(24.5866, 27.3715, 71.6969)

Have a look what the booklet for
XYZ(24.5866, 27.3715, 71.6969)
contains.

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Color

**XYZ(24.5876, 27.3733,
71.6978)**

Conversions

Conversions Part 1

Format	Color
Hex	2596DC
RGB	37, 150, 220
RGB Percent	15%, 59%, 86%
CMY	0.8548, 0.4118, 0.1373
CMYK	0.83, 0.32, 0.00, 0.14
HSL	203°, 72%, 50%
HSV	203°, 83%, 86%
XYZ	24.5876, 27.3733, 71.6978
YIQ	124.1930, -89.8180, -2.1860

Conversions

Conversions Part 2

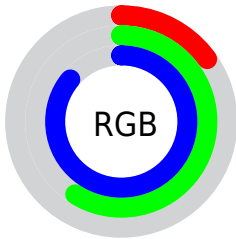
Format	Color
R _{YB}	37, 107, 220
Decimal	2463452
CIE _{Lab}	59.32, -6.06, -44.14
CIE _{LCh}	59, 44.553, 262.183
Y _{xy}	27.3733, 0.1988, 0.2214
Android (android.graphics.Color)	4280653532 (0xFF2596DC)
YUV	124.1930, 47.2329, -76.4683
Hunter-Lab	52.3195, -7.6729, -44.6264

Details

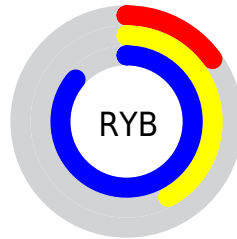
The XYZ color **24.5876, 27.3733, 71.6978** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **35.1095, 25.8690, 4.8947**, and the grayscale version is **19.0937, 20.0881, 21.8759**.

A 20% lighter version of the original color is **46.4529, 53.9164, 102.5663**, and **11.3487, 11.8310, 37.2828** is the 20% darker color. If you saturate the color by 10%, you get **22.7271, 24.4919, 71.2403**, and if you desaturate by 10%, it is **27.0215, 30.6942, 72.2111**.

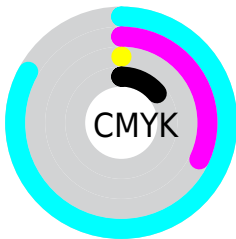
Distribution



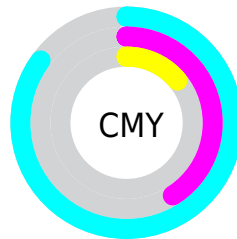
- Red (15%)
- Green (59%)
- Blue (86%)



- Red (15%)
- Yellow (42%)
- Blue (86%)



- Cyan (83%)
- Magenta (32%)
- Yellow (0%)
- Black (14%)



- Cyan (85%)
- Magenta (41%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5876, 27.3733, 71.6978 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 24.5876, 27.3733, 71.6978 by changing the saturation by 10% instead.

■ 24.5876, 27.3733,
71.6978

■ 24.5876, 27.3733,
71.6978

268.1636,
289.4601, 485.4383

■ 15.8972, 17.8538,
52.4265

■ 50.4351, 55.4823,
123.3305

■ 9.5418, 10.8451,
36.9606

■ 68.3229, 74.8406,
156.5290

■ 5.1562, 5.9627,
24.8814

■ 90.0072, 98.2473,
195.2070

■ 2.3749, 2.8224,
15.7705

■ 115.8534,
126.0867, 239.7830

■ 0.8326, 1.0397,
9.2093

■ 146.2267,
158.7433, 290.6757

■ 0.0000, 0.0000,
4.7793

181.4926,

■ 0.0000, 0.0000,

196.6015, 348.3034

2.0619

222.0165,
240.0456, 413.0847

■ 0.0000, 0.0000,
0.5929

■ 0.0000, 0.0000,
0.0000

■ 24.5876, 27.3733,
71.6978

■ 24.5876, 27.3733,
71.6978

■ 22.7271, 24.4919,
71.2403

■ 27.0215, 30.6942,
72.2111

■ 21.6999, 22.7304,
70.9544

■ 30.1018, 34.4942,
72.7822

■ 33.8930, 38.8095,
73.4153

■ 38.4501, 43.6713,
74.1136

■ 43.8225, 49.1078,
74.8798

■ 50.0550, 55.1445,
75.7165

■ 57.1891, 61.8055,
76.6262

■ 65.2633, 69.1131,
77.6111

■ 74.3140, 77.0883,
78.6735

Harmonies

Analogous

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



19.9869, 27.3733, 61.2006



24.5876, 27.3733, 71.6978



30.2750, 27.3733, 68.1919

Triad

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



24.5876, 27.3733, 71.6978



37.2501, 27.3733, 19.6579



18.4399, 27.3733, 14.6747

Complementary

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



24.5876, 27.3733, 71.6978



35.1095, 25.8690, 4.8947

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.



22.1791, 27.3733, 9.4672



24.5876, 27.3733, 71.6978



33.1534, 27.3733, 11.5456

Square

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



24.5876, 27.3733, 71.6978



38.1378, 27.3733, 34.1751



27.5018, 27.3733, 8.5726



16.7829, 27.3733, 25.8240

Rectangle

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



24.5876, 27.3733, 71.6978



33.8935, 27.3733, 58.8059



27.5018, 27.3733, 8.5726



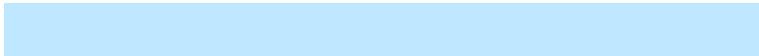
19.4672, 27.3733, 12.3623

Sweetspot

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



24.5886, 27.3742, 71.6985



68.0663, 75.2639, 105.5476



28.8616, 52.5823, 21.7552



13.8976, 15.4623, 22.5020



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.



24.5886, 27.3742, 71.6985



30.1831, 31.4863, 99.0944



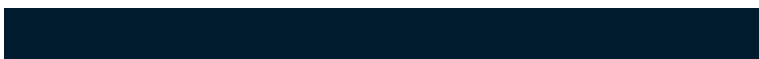
15.3732, 8.9433, 68.6267



13.0048, 13.9493, 16.6592



12.8461, 13.5617, 41.6790



0.9146, 1.0432, 2.7276

Inverse Universe

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



35.6828, 18.7422, 30.5917



47.3642, 23.7097, 34.1798



49.5003, 54.6507, 9.6917



13.3923, 13.1860, 15.3269



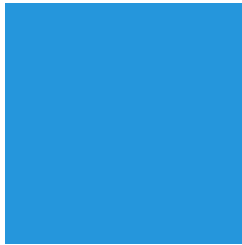
19.9795, 9.9928, 14.8038



1.3359, 0.6640, 1.1779

Previews

White Background



This preview shows how the XYZ color 24.5876, 27.3733, 71.6978 looks on a white background.

Color Contrast Check

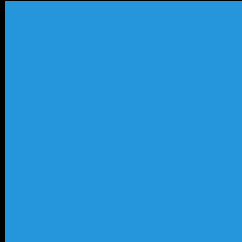
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5876, 27.3733, 71.6978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

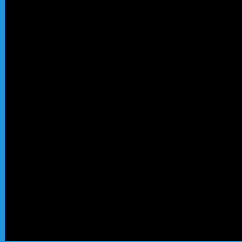
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

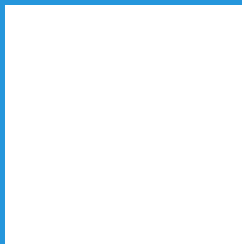
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.5876, 27.3733, 71.6978

Background



This preview shows how black text looks on a background with the XYZ color 24.5876, 27.3733, 71.6978.

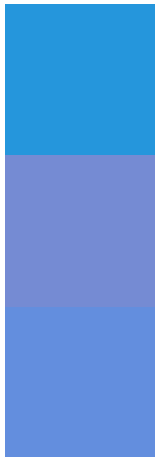


This preview shows how white text looks on a background with the XYZ color 24.5876, 27.3733,

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

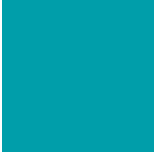
24.5876, 27.3733, 71.6978

Protanopia

28.3266, 26.9503, 65.3370

Deuteranopia

28.0034, 27.2726, 72.8954



Tritanopia

19.4826, 27.3560, 42.2836

Trichromacy



Original Color

24.5876, 27.3733, 71.6978

Protanomaly

25.9846, 26.5747, 67.3782

Deuteranomaly

26.1570, 27.0078, 72.2410

Tritanomaly

20.9644, 27.1591, 51.7142

Monochromacy



Original Color

24.5876, 27.3733, 71.6978

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.0592, 21.5536, 35.9566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5876, 27.3733, 71.6978 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(37, 150, 220)` looks like.

```
.text, #text, p{  
    color:rgb(37, 150, 220)  
}
```

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(37, 150, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 150, 220) }
```

Border

The CSS property to change the border of an element to XYZ 24.5876, 27.3733, 71.6978 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(37, 150, 220) }
```


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

```
.border{ border-color:rgb(37, 150, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 150, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 150, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 150, 220);  
box-shadow:4px 4px 4px 4px rgb(37, 150,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5876, 27.3733, 71.6978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 150, 220) }
```

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

```
.background{ background-color: rgb(37, 150,  
220) }
```

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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