

Converting Colors

XYZ(27.7197, 36.2010, 62.5341)

Have a look what the booklet for XYZ(27.7197, 36.2010, 62.5341) contains.

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Color

**XYZ(27.6433, 36.0387,
62.6259)**

Conversions

Conversions Part 1

Format	Color
Hex	30B0CC
RGB	48, 176, 204
RGB Percent	19%, 69%, 80%
CMY	0.8117, 0.3098, 0.2000
CMYK	0.76, 0.14, 0.00, 0.20
HSL	191°, 62%, 49%
HSV	191°, 76%, 80%
XYZ	27.6433, 36.0387, 62.6259
YIQ	140.9200, -85.2760, -18.4280

Conversions

Conversions Part 2

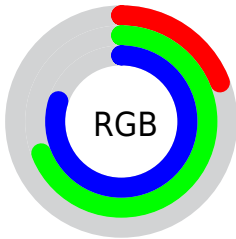
Format	Color
RYB	48, 118, 204
Decimal	3190988
CIELab	66.55, -24.54, -24.00
CIElCh	67, 34.327, 224.359
Yxy	36.0387, 0.2189, 0.2853
Android (android.graphics.Color)	4281381068 (0xFF30B0CC)
YUV	140.9200, 31.0984, -81.4908
Hunter-Lab	60.0322, -22.8618, -19.8290




Details

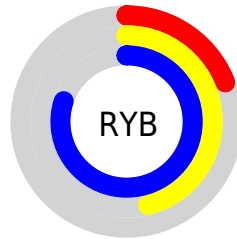
The XYZ color **27.6433, 36.0387, 62.6259** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle muted azure. A complement of this color would be **28.0209, 18.2212, 4.8376**, and the grayscale version is **25.1938, 26.5058, 28.8648**.




A 20% lighter version of the original color is **54.3778, 68.7848, 105.0185**, and **12.5880, 16.3679, 31.3500** is the 20% darker color. If you saturate the color by 10%, you get **26.1850, 34.2361, 62.3555**, and if you desaturate by 10%, it is **29.5654, 38.1105, 62.9252**.

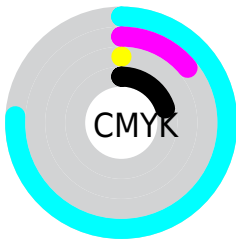
Distribution







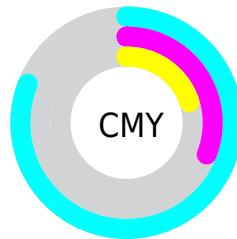
-  Red (19%)
-  Green (69%)
-  Blue (80%)






-  Red (19%)
-  Yellow (46%)
-  Blue (80%)



-  Cyan (76%)
-  Magenta (14%)
-  Yellow (0%)
-  Black (20%)



-  Cyan (81%)
-  Magenta (31%)
-  Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6433, 36.0387, 62.6259 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 27.6433, 36.0387, 62.6259 by changing the saturation by 10% instead.

■ 27.6433, 36.0387,
62.6259

■ 27.6433, 36.0387,
62.6259

282.8696,
329.1297, 452.2810

■ 18.1960, 24.4641,
45.0996

■ 55.3271, 69.0918,
110.2100

■ 11.1914, 15.6782,
31.1923

■ 74.2943, 91.3391,
141.1048

■ 6.2639, 9.2968,
20.4857

■ 97.1655, 117.9127,
177.2929

■ 3.0484, 4.9352,
12.5610

■ 124.3062,
149.1970, 219.1928

■ 1.1794, 2.2093,
6.9998

■ 156.0815,
185.5765, 267.2230

■ 0.0900, 0.7251,
3.3835

192.8570,

■ 0.0000, 0.0000,

227.4355, 321.8021

1.2936

234.9979,
275.1584, 383.3486

■ 0.0000, 0.0000,
0.0566

■ 0.0000, 0.0000,
0.0000

■ 27.6433, 36.0387,
62.6259

■ 27.6433, 36.0387,
62.6259

■ 26.1850, 34.2361,
62.3555

■ 29.5654, 38.1105,
62.9252

■ 25.1179, 32.6630,
62.1081

■ 32.0017, 40.4757,
63.2533

■ 24.7886, 32.1385,
62.0242

■ 34.9995, 43.1596,
63.6133

■ 38.5999, 46.1835,
64.0073

■ 42.8399, 49.5667,
64.4368

■ 47.7535, 53.3271,
64.9037

■ 53.3723, 57.4810,
65.4093

■ 59.7259, 62.0439,
65.9552

■ 66.8419, 67.0303,
66.5426

Harmonies

Analogous

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



25.5193, 36.0387, 46.7107



27.6433, 36.0387, 62.6259



31.6498, 36.0387, 73.4225

Triad

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



27.6433, 36.0387, 62.6259



44.7147, 36.0387, 47.4034



31.8535, 36.0387, 17.6608

Complementary

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



27.6433, 36.0387, 62.6259



28.0209, 18.2212, 4.8376

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.



36.9967, 36.0387, 17.7576



27.6433, 36.0387, 62.6259



44.7833, 36.0387, 32.6116

Square

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



27.6433, 36.0387, 62.6259



41.6629, 36.0387, 63.2414



41.8419, 36.0387, 22.5487



27.7795, 36.0387, 22.2396

Rectangle

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



27.6433, 36.0387, 62.6259



35.0127, 36.0387, 74.9041



41.8419, 36.0387, 22.5487



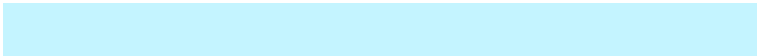
33.5057, 36.0387, 17.1924

Sweetspot

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



27.6445, 36.0400, 62.6268



73.3993, 83.9891, 106.9507



24.0489, 44.3094, 13.7652



15.1057, 17.5076, 22.8331



0.0000, 0.0000, 0.0000



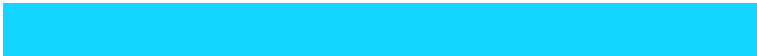
20.3446, 21.4041, 23.3091

Same Dimension

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



27.6445, 36.0400, 62.6268



42.1138, 54.9071, 102.9863



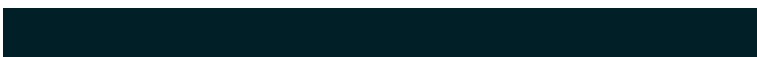
16.6765, 14.1041, 58.9708



11.3654, 12.3712, 14.3592



15.6641, 20.3523, 39.0591



0.8540, 1.1417, 2.0303

Inverse Universe

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



33.7962, 18.0870, 42.7855



53.4938, 26.5732, 65.1886



36.6648, 35.5089, 7.7189



11.5978, 11.3678, 13.6825



20.1174, 9.8576, 24.1349



1.0610, 0.5178, 1.3671

Previews

White Background



This preview shows how the XYZ color 27.6433, 36.0387, 62.6259 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 27.6433, 36.0387, 62.6259 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 27.6433, 36.0387, 62.6259

Background



This preview shows how black text looks on a background with the XYZ color 27.6433, 36.0387, 62.6259.



This preview shows how white text looks on a background with the XYZ color 27.6433, 36.0387,

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

27.6433, 36.0387, 62.6259

Protanopia

35.2390, 35.4721, 54.8587

Deuteranopia

36.3745, 35.5871, 64.6264



Tritanopia

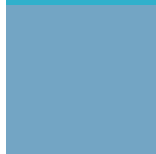
26.1978, 36.0399, 55.4448

Trichromacy



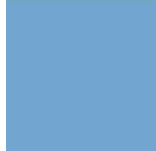
Original Color

27.6433, 36.0387, 62.6259



Protanomaly

30.4892, 34.5406, 57.2846



Deuteranomaly

31.6570, 34.9927, 64.1172



Tritanomaly

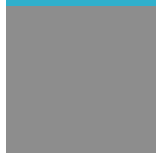
26.6004, 35.9012, 57.7522

Monochromacy



Original Color

27.6433, 36.0387, 62.6259



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

24.3198, 28.9173, 39.4218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6433, 36.0387, 62.6259 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(48, 176, 204)` looks like.

```
.text, #text, p{  
    color:rgb(48, 176, 204)  
}
```

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(48, 176, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 176, 204) }
```

Border

The CSS property to change the border of an element to XYZ 27.6433, 36.0387, 62.6259 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(48, 176, 204) }
```


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

```
.border{ border-color:rgb(48, 176, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 176, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 176, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 176, 204);  
box-shadow:4px 4px 4px 4px rgb(48, 176,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6433, 36.0387, 62.6259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 176, 204) }
```

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

```
.background{ background-color: rgb(48, 176,  
204) }
```

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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