

Converting Colors

XYZ(29.5936, 36.6372, 77.7069)

Have a look what the booklet for
XYZ(29.5936, 36.6372, 77.7069)
contains.

XYZ(29.6062, 36.7238, 77.4795)	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(29.6062, 36.7238,
77.4795)**

Conversions

Conversions Part 1

Format	Color
Hex	17B0E2
RGB	23, 176, 226
RGB Percent	9%, 69%, 89%
CMY	0.9097, 0.3098, 0.1137
CMYK	0.90, 0.22, 0.00, 0.11
HSL	195°, 82%, 49%
HSV	195°, 90%, 89%
XYZ	29.6062, 36.7238, 77.4795
YIQ	135.9530, -107.2380, -16.8860

Conversions

Conversions Part 2

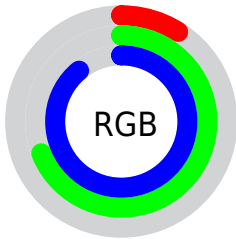
Format	Color
RYP	23, 110, 226
Decimal	1552610
CIELab	67.07, -19.12, -35.33
CIElCh	67, 40.174, 241.579
Yxy	36.7238, 0.2059, 0.2554
Android (android.graphics.Color)	4279742690 (0xFF17B0E2)
YUV	135.9530, 44.3932, -99.0598
Hunter-Lab	60.6002, -18.8441, -33.3843

Details

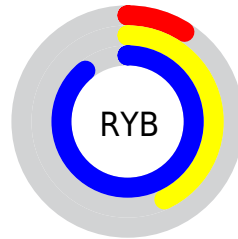
The XYZ color **29.6062, 36.7238, 77.4795** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **33.9041, 21.0005, 3.0790**, and the grayscale version is **23.2563, 24.4675, 26.6451**.

A 20% lighter version of the original color is **53.4622, 68.3127, 104.9757**, and **14.3387, 17.0682, 40.5690** is the 20% darker color. If you saturate the color by 10%, you get **28.1894, 34.4065, 77.1076**, and if you desaturate by 10%, it is **31.4778, 39.3432, 77.8872**.

Distribution



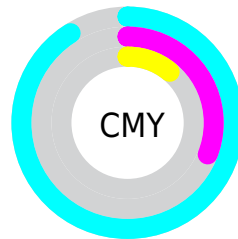
- Red (9%)
- Green (69%)
- Blue (89%)



- Red (9%)
- Yellow (43%)
- Blue (89%)



- Cyan (90%)
- Magenta (22%)
- Yellow (0%)
- Black (11%)



- Cyan (91%)
- Magenta (31%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6062, 36.7238, 77.4795 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 29.6062, 36.7238, 77.4795 by changing the saturation by 10% instead.

■ 29.6062, 36.7238,
77.4795

■ 29.6062, 36.7238,
77.4795

292.0074,
332.1132, 505.8784

■ 19.6865, 24.9937,
57.1326

■ 58.4298, 70.1478,
131.5953

■ 12.2743, 16.0724,
40.7016

■ 78.0643, 92.6105,
166.2013

■ 7.0043, 9.5754,
27.7681

■ 101.6678,
119.4195, 206.3974

■ 3.5111, 5.1183,
17.9134

■ 129.6056,
150.9592, 252.6021

■ 1.4295, 2.3169,
10.7190

■ 162.2432,
187.6140, 305.2340

■ 0.2771, 0.7826,
5.7664

199.9457,

■ 0.0000, 0.0000,

229.7684, 364.7117

2.6371

243.0787,
277.8066, 431.4536

■ 0.0000, 0.0000,
0.9115

■ 0.0000, 0.0000,
0.0000

■ 29.6062, 36.7238,
77.4795

■ 29.6062, 36.7238,
77.4795

■ 28.1894, 34.4065,
77.1076

■ 31.4778, 39.3432,
77.8872

■ 28.1638, 34.3635,
77.1007

■ 33.9273, 42.3271,
78.3341

■ 37.0304, 45.7160,
78.8246

■ 40.8500, 49.5430,
79.3620

■ 45.4412, 53.8374,
79.9489

■ 50.8537, 58.6252,
80.5878

■ 57.1326, 63.9306,
81.2809

■ 64.3198, 69.7759,
82.0303

■ 72.4542, 76.1819,
82.8381

Harmonies

Analogous

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



25.8219, 36.7238, 60.3217



29.6062, 36.7238, 77.4795



35.2296, 36.7238, 83.9344

Triad

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



29.6062, 36.7238, 77.4795



48.0160, 36.7238, 39.0661



29.1067, 36.7238, 17.6246

Complementary

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



29.6062, 36.7238, 77.4795



33.9041, 21.0005, 3.0790

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.



34.5822, 36.7238, 14.9001



29.6062, 36.7238, 77.4795



45.9014, 36.7238, 24.8269

Square

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



29.6062, 36.7238, 77.4795



46.2910, 36.7238, 58.2342



40.8008, 36.7238, 17.0932



25.5580, 36.7238, 26.0139

Rectangle

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



29.6062, 36.7238, 77.4795



39.4067, 36.7238, 80.1475



40.8008, 36.7238, 17.0932



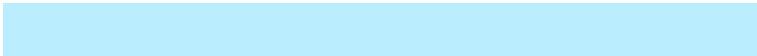
30.7597, 36.7238, 16.1480

Sweetspot

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



29.6075, 36.7251, 77.4804



68.9222, 78.8499, 106.1947



28.6687, 55.0230, 14.9692



14.1797, 16.3847, 22.6652



0.0000, 0.0000, 0.0000



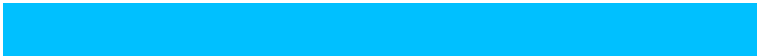
20.3446, 21.4041, 23.3091

Same Dimension

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



29.6075, 36.7251, 77.4804



36.9398, 44.9996, 101.3466



16.7468, 11.0037, 73.1935



13.8156, 14.9704, 17.5491



16.1652, 19.8000, 44.0182



1.1894, 1.5103, 3.0741

Inverse Universe

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



39.5081, 19.9178, 42.8375



50.7747, 25.0739, 52.1391



46.2484, 45.6891, 7.1938



14.1432, 13.8749, 16.5241



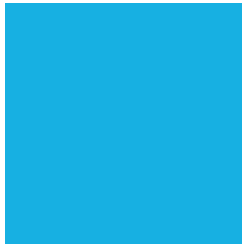
22.0997, 10.9069, 22.9884



1.5666, 0.7699, 1.7766

Previews

White Background



This preview shows how the XYZ color 29.6062, 36.7238, 77.4795 looks on a white background.

Color Contrast Check

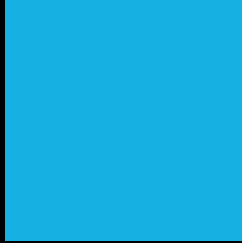
Large Text (above 18pt) WCAG AA × Fail

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 29.6062, 36.7238, 77.4795 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 29.6062, 36.7238, 77.4795

Background



This preview shows how black text looks on a background with the XYZ color 29.6062, 36.7238, 77.4795.

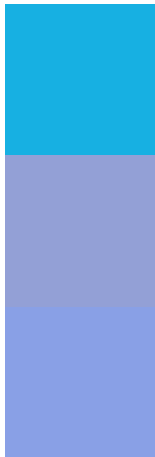


This preview shows how white text looks on a background with the XYZ color 29.6062, 36.7238,

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

29.6062, 36.7238, 77.4795

Protanopia

36.7410, 36.1997, 68.6691

Deuteranopia

37.1703, 36.1731, 79.8859



Tritanopia

26.0589, 36.5376, 56.7179

Trichromacy



Original Color

29.6062, 36.7238, 77.4795



Protanomaly

31.7706, 35.1592, 71.4416



Deuteranomaly

32.6029, 35.4164, 79.2464



Tritanomaly

27.3608, 36.7481, 64.0435

Monochromacy



Original Color

29.6062, 36.7238, 77.4795



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

22.9474, 27.4307, 41.6213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6062, 36.7238, 77.4795 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(23, 176, 226)` looks like.

```
.text, #text, p{  
    color:rgb(23, 176, 226)  
}
```

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(23, 176, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 176, 226) }
```

Border

The CSS property to change the border of an element to XYZ 29.6062, 36.7238, 77.4795 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(23, 176, 226) }
```


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

```
.border{ border-color:rgb(23, 176, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 176, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 176, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 176, 226);  
box-shadow:4px 4px 4px 4px rgb(23, 176,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6062, 36.7238, 77.4795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 176, 226) }
```

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

```
.background{ background-color: rgb(23, 176,  
226) }
```

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