

Converting Colors

XYZ(17.3709, 26.6441, 37.2407)

Have a look what the booklet for
XYZ(17.3709, 26.6441, 37.2407)
contains.

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Color

**XYZ(18.6561, 27.2995,
37.0869)**

Conversions

Conversions Part 1

Format	Color
Hex	009F9F
RGB	0, 159, 159
RGB Percent	0%, 62%, 62%
CMY	0.9999, 0.3765, 0.3765
CMYK	1.00, 0.00, 0.00, 0.38
HSL	180°, 100%, 31%
HSV	180°, 100%, 62%
XYZ	18.6561, 27.2995, 37.0869
YIQ	111.4590, -94.7640, -33.7080

Conversions

Conversions Part 2

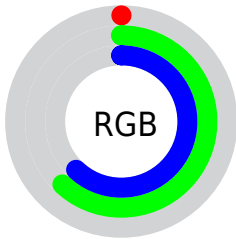
Format	Color
RYB	0, 80, 159
Decimal	40863
CIELab	59.25, -33.78, -9.93
CIELCh	59, 35.207, 196.386
Yxy	27.2995, 0.2247, 0.3287
Android (android.graphics.Color)	4278230943 (0xFF009F9F)
YUV	111.4590, 23.4377, -97.7495
Hunter-Lab	52.2489, -27.7001, -5.5105

Details

The XYZ color **18.6561, 27.2995, 37.0869** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.2989, 7.3717, 0.6699**, and the grayscale version is **15.1987, 15.9902, 17.4133**.

A 20% lighter version of the original color is **40.6984, 55.2753, 72.1425**, and **7.9645, 11.5981, 16.0062** is the 20% darker color. If you saturate the color by 10%, you get **18.6567, 27.3004, 37.0875**, and if you desaturate by 10%, it is **18.8690, 27.4098, 37.0976**.

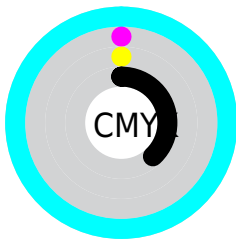
Distribution



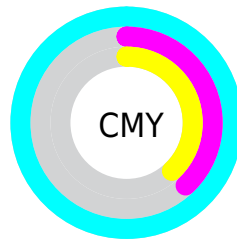
- Red (0%)
- Green (62%)
- Blue (62%)



- Red (0%)
- Yellow (31%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (38%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6561, 27.2995, 37.0869 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 18.6561, 27.2995, 37.0869 by changing the saturation by 10% instead.

18.6561, 27.2995,
37.0869

18.6561, 27.2995,
37.0869

237.5183,
289.1043, 348.8666

11.5246, 17.7983,
24.9785

40.6736, 55.3641,
71.8942

6.4907, 10.8053,
15.8421

56.2902, 74.6963,
95.4302

3.1892, 5.9360,
9.2594

75.4659, 98.0742,
123.6125

1.2546, 2.8062,
4.8116

98.5661, 125.8823,
156.8595

0.1488, 1.0314,
2.0804

125.9561,
158.5050, 195.5899

0.0000, 0.0000,
0.6040

158.0012,

0.0000, 0.0000,

196.3266, 240.2222

0.0000

195.0668,
239.7316, 291.1749

■ 18.6561, 27.2995,
37.0869

■ 18.6561, 27.2995,
37.0869

■ 18.6567, 27.3004,
37.0875

■ 18.8690, 27.4098,
37.0976

■ 19.2468, 27.6046,
37.1153

■ 19.8625, 27.9220,
37.1442

■ 20.7466, 28.3778,
37.1856

■ 21.9248, 28.9852,
37.2408

■ 23.4201, 29.7560,
37.3109

■ 25.2530, 30.7009,
37.3967

■ 27.4424, 31.8296,
37.4993

■ 30.0058, 33.1511,
37.6193

Harmonies

Analogous

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



18.5713, 27.2995, 24.3849



18.6561, 27.2995, 37.0869



20.5446, 27.2995, 50.9114

Triad

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



18.6561, 27.2995, 37.0869



32.5580, 27.2995, 49.7356



27.9874, 27.2995, 11.8636

Complementary

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



18.6561, 27.2995, 37.0869



14.2989, 7.3717, 0.6699

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.



32.2229, 27.2995, 15.4216



18.6561, 27.2995, 37.0869



35.0560, 27.2995, 35.7918

Square

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



18.6561, 27.2995, 37.0869



28.4047, 27.2995, 59.5080



34.9269, 27.2995, 23.4073



23.6360, 27.2995, 12.0286

Rectangle

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



18.6561, 27.2995, 37.0869



22.7078, 27.2995, 57.8660



34.9269, 27.2995, 23.4073



29.4812, 27.2995, 12.6085

Sweetspot

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



18.6569, 27.3005, 37.0876



45.0155, 54.8730, 66.9621



12.4321, 24.8144, 4.1350



9.8413, 12.2126, 15.0821



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.6569, 27.3005, 37.0876



33.4112, 48.8908, 66.4181



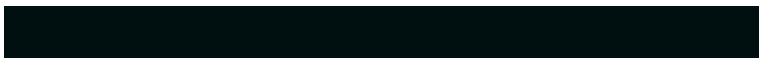
9.2880, 8.5624, 33.9652



6.8219, 7.5095, 8.4966



14.7351, 21.5620, 29.2920



0.2635, 0.3855, 0.5238

Inverse Universe

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



14.2989, 7.3717, 0.6699



25.6066, 13.2007, 1.1984



16.9429, 12.6597, 1.5512



6.6331, 6.6462, 6.9189



11.2931, 5.8218, 0.5285



0.2019, 0.1041, 0.0095

Previews

White Background



This preview shows how the XYZ color 18.6561, 27.2995, 37.0869 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 18.6561, 27.2995, 37.0869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

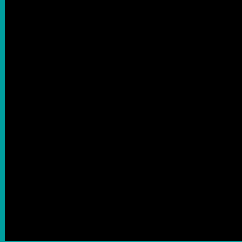
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.6561, 27.2995, 37.0869

Background



This preview shows how black text looks on a background with the XYZ color 18.6561, 27.2995, 37.0869.

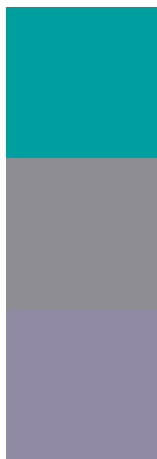


This preview shows how white text looks on a background with the XYZ color 18.6561, 27.2995,

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

18.6561, 27.2995, 37.0869

Protanopia

26.1979, 27.0275, 31.8530

Deuteranopia

27.4664, 26.8770, 38.8621



Tritanopia

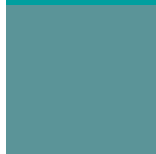
19.8194, 27.2774, 42.2507

Trichromacy



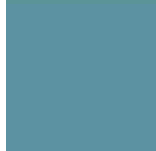
Original Color

18.6561, 27.2995, 37.0869



Protanomaly

20.5718, 25.6710, 33.5765



Deuteranomaly

21.2141, 25.4417, 37.9751



Tritanomaly

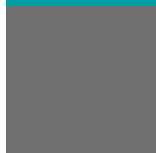
19.3592, 27.3355, 40.3323

Monochromacy



Original Color

18.6561, 27.2995, 37.0869



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

14.2140, 18.3364, 23.2122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6561, 27.2995, 37.0869 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, 159, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 159)  
}
```

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, 159, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 159) }
```

Border

The CSS property to change the border of an element to XYZ 18.6561, 27.2995, 37.0869 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, 159, 159) }
```


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

```
.border{ border-color:rgb(0, 159, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 159, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6561, 27.2995, 37.0869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 159) }
```

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

```
.background{ background-color: rgb(0, 159,  
159) }
```

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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