

Converting Colors

XYZ(18.6332, 27.0655, 36.6351)

Have a look what the booklet for
XYZ(18.6332, 27.0655, 36.6351)
contains.

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Color

**XYZ(18.6121, 27.0325,
36.5846)**

Conversions

Conversions Part 1

Format	Color
Hex	109E9E
RGB	16, 158, 158
RGB Percent	6%, 62%, 62%
CMY	0.9372, 0.3804, 0.3804
CMYK	0.90, 0.00, 0.00, 0.38
HSL	180°, 82%, 34%
HSV	180°, 90%, 62%
XYZ	18.6121, 27.0325, 36.5846
YIQ	115.5420, -84.6320, -30.1040

Conversions

Conversions Part 2

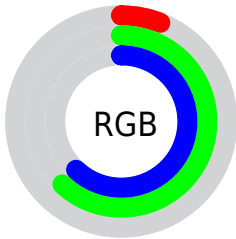
Format	Color
R_{YB}	16, 87, 158
Decimal	1089182
CIE _{Lab}	59.00, -32.94, -9.72
CIE _{LCh}	59, 34.349, 196.443
Yxy	27.0325, 0.2263, 0.3287
Android (android.graphics.Color)	4279279262 (0xFF109E9E)
YUV	115.5420, 20.9318, -87.2983
Hunter-Lab	51.9928, -27.0889, -5.3243

Details

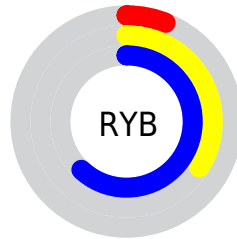
The XYZ color **18.6121, 27.0325, 36.5846** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.3803, 7.6779, 1.2151**, and the grayscale version is **16.4192, 17.2742, 18.8116**.

A 20% lighter version of the original color is **40.6284, 54.8794, 71.4022**, and **7.8079, 11.3696, 15.6930** is the 20% darker color. If you saturate the color by 10%, you get **18.4016, 26.9246, 36.5753**, and if you desaturate by 10%, it is **18.9890, 27.2274, 36.6029**.

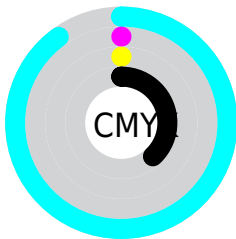
Distribution



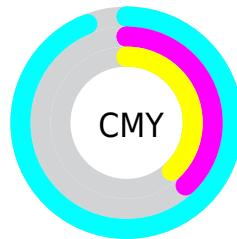
- Red (6%)
- Green (62%)
- Blue (62%)



- Red (6%)
- Yellow (34%)
- Blue (62%)



- Cyan (90%)
- Magenta (0%)
- Yellow (0%)
- Black (38%)



- Cyan (94%)
- Magenta (38%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6121, 27.0325, 36.5846 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 18.6121, 27.0325, 36.5846 by changing the saturation by 10% instead.

18.6121, 27.0325,
36.5846

18.6121, 27.0325,
36.5846

237.2783,
287.8144, 346.6229

11.4927, 17.5976,
24.5928

40.5996, 54.9360,
71.1126

6.4690, 10.6615,
15.5577

56.1983, 74.1735,
94.4859

3.1756, 5.8397,
9.0607

75.3542, 97.4472,
122.4900

1.2473, 2.7479,
4.6835

98.4326, 125.1417,
155.5436

0.1432, 1.0016,
2.0073

125.7988,
157.6412, 194.0651

0.0000, 0.0000,
0.5598

157.8183,

0.0000, 0.0000,

195.3303, 238.4732

0.0000

194.8564,
238.5932, 289.1863

■ 18.6121, 27.0325,
36.5846

■ 18.6121, 27.0325,
36.5846

■ 18.4016, 26.9246,
36.5753

■ 18.9890, 27.2274,
36.6029

■ 18.3989, 26.9232,
36.5752

■ 19.6000, 27.5424,
36.6316

■ 20.4757, 27.9938,
36.6726

■ 21.6417, 28.5949,
36.7272

■ 23.1204, 29.3572,
36.7965

■ 24.9319, 30.2911,
36.8813

■ 27.0950, 31.4061,
36.9826

■ 29.6267, 32.7113,
37.1012

■ 32.5431, 34.2147,
37.2377

Harmonies

Analogous

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



18.5261, 27.0325, 24.2710



18.6121, 27.0325, 36.5846



20.4534, 27.0325, 49.9129

Triad

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



18.6121, 27.0325, 36.5846



32.0972, 27.0325, 48.7343



27.6615, 27.0325, 12.0136

Complementary

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



18.6121, 27.0325, 36.5846



14.3803, 7.6779, 1.2151

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.



31.7601, 27.0325, 15.4984



18.6121, 27.0325, 36.5846



34.5057, 27.0325, 35.2812

Square

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



18.6121, 27.0325, 36.5846



28.0822, 27.0325, 58.1465



34.3759, 27.0325, 23.2813



23.4444, 27.0325, 12.1827

Rectangle

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



18.6121, 27.0325, 36.5846



22.5575, 27.0325, 56.5935



34.3759, 27.0325, 23.2813



29.1076, 27.0325, 12.7439

Sweetspot

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



18.6129, 27.0335, 36.5853



46.1334, 55.4493, 67.0144



12.5776, 24.6243, 4.5810



10.1380, 12.3656, 15.0960



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.



18.6129, 27.0335, 36.5853



33.4113, 48.8908, 66.4182



9.9896, 9.7867, 33.7113



6.8219, 7.5095, 8.4966



14.7352, 21.5620, 29.2920



0.2635, 0.3855, 0.5238

Inverse Universe

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



14.3803, 7.6779, 1.2151



25.6066, 13.2007, 1.1984



17.4152, 13.7479, 2.2267



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 18.6121, 27.0325, 36.5846 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 18.6121, 27.0325, 36.5846 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

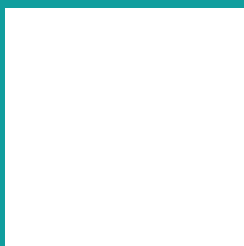
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.6121, 27.0325, 36.5846

Background



This preview shows how black text looks on a background with the XYZ color 18.6121, 27.0325, 36.5846.

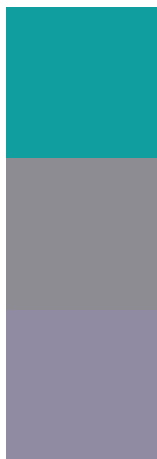


This preview shows how white text looks on a background with the XYZ color 18.6121, 27.0325,

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

18.6121, 27.0325, 36.5846

Protanopia

25.7999, 26.6135, 31.3809

Deuteranopia

27.3764, 26.8410, 38.3883



Tritanopia

19.6456, 26.9486, 41.7023

Trichromacy



Original Color

18.6121, 27.0325, 36.5846



Protanomaly

20.8435, 25.5886, 33.1187



Deuteranomaly

21.5954, 25.4207, 37.4867



Tritanomaly

19.2745, 27.0502, 39.8026

Monochromacy



Original Color

18.6121, 27.0325, 36.5846



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

15.5213, 19.5768, 24.4334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6121, 27.0325, 36.5846 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(16, 158, 158)` looks like.

```
.text, #text, p{  
    color:rgb(16, 158, 158)  
}
```

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(16, 158, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 158, 158) }
```

Border

The CSS property to change the border of an element to XYZ 18.6121, 27.0325, 36.5846 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(16, 158, 158) }
```


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

```
.border{ border-color:rgb(16, 158, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 158, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 158, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 158, 158);  
box-shadow:4px 4px 4px 4px rgb(16, 158,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6121, 27.0325, 36.5846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 158, 158) }
```

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

```
.background{ background-color: rgb(16, 158,  
158) }
```

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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