

Converting Colors

XYZ(18.3460, 26.6354, 36.0398)

Have a look what the booklet for
XYZ(18.3460, 26.6354, 36.0398)
contains.

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Color

**XYZ(18.3565, 26.6584,
36.0764)**

Conversions

Conversions Part 1

Format	Color
Hex	109D9D
RGB	16, 157, 157
RGB Percent	6%, 62%, 62%
CMY	0.9372, 0.3843, 0.3843
CMYK	0.90, 0.00, 0.00, 0.38
HSL	180°, 81%, 34%
HSV	180°, 90%, 62%
XYZ	18.3565, 26.6584, 36.0764
YIQ	114.8410, -84.0360, -29.8920

Conversions

Conversions Part 2

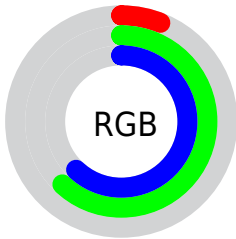
Format	Color
RYB	16, 87, 157
Decimal	1088925
CIELab	58.66, -32.78, -9.68
CIELCh	59, 34.180, 196.444
Yxy	26.6584, 0.2264, 0.3287
Android (android.graphics.Color)	4279279005 (0xFF109D9D)
YUV	114.8410, 20.7844, -86.6836
Hunter-Lab	51.6318, -26.8940, -5.2852

Details

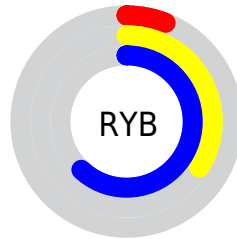
The XYZ color **18.3565, 26.6584, 36.0764** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.1844, 7.5770, 1.2061**, and the grayscale version is **16.2072, 17.0512, 18.5688**.

A 20% lighter version of the original color is **40.1252, 54.2769, 69.9897**, and **7.6531, 11.1438, 15.3833** is the 20% darker color. If you saturate the color by 10%, you get **18.1473, 26.5511, 36.0672**, and if you desaturate by 10%, it is **18.7303, 26.8517, 36.0946**.

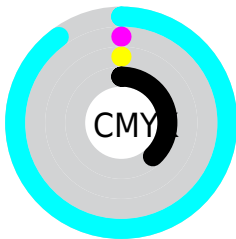
Distribution



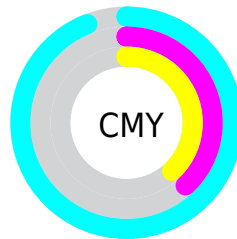
- Red (6%)
- Green (62%)
- Blue (62%)



- 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 18.3565, 26.6584, 36.0764 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 18.3565, 26.6584, 36.0764 by changing the saturation by 10% instead.


 18.3565, 26.6584,
36.0764


 18.3565, 26.6584,
36.0764


235.8798,
285.9993, 344.3419


 11.3075, 17.3168,
24.2030


 40.1692, 54.3352,
70.3203


 6.3429, 10.4606,
15.2707


 55.6636, 73.4393,
93.5280


 3.0973, 5.7054,
8.8609


 74.7038, 96.5663,
121.3509

 1.2054, 2.6668,
4.5550

 97.6552, 124.1006,
154.2075

 0.1106, 0.9604,
1.9345

 124.8831,
156.4267, 192.5163

 0.0000, 0.0000,
0.5145

 156.7530,

 0.0000, 0.0000,

193.9289, 236.6960

0.0000

193.6301,
236.9917, 287.1650

■ 18.3565, 26.6584,
36.0764

■ 18.3565, 26.6584,
36.0764

■ 18.1473, 26.5511,
36.0672

■ 18.7303, 26.8517,
36.0946

■ 18.1432, 26.5490,
36.0670

■ 19.3351, 27.1635,
36.1229

■ 20.2010, 27.6099,
36.1635

■ 21.3531, 28.2038,
36.2174

■ 22.8133, 28.9565,
36.2858

■ 24.6016, 29.8784,
36.3696

■ 26.7363, 30.9789,
36.4695

■ 29.2343, 32.2667,
36.5865

■ 32.1114, 33.7499,
36.7212

Harmonies

Analogous

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



18.2717, 26.6584, 23.9370



18.3565, 26.6584, 36.0764



20.1719, 26.6584, 49.2151

Triad

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



18.3565, 26.6584, 36.0764



31.6511, 26.6584, 48.0526



27.2780, 26.6584, 11.8512

Complementary

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



18.3565, 26.6584, 36.0764



14.1844, 7.5770, 1.2061

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.



31.3185, 26.6584, 15.2871



18.3565, 26.6584, 36.0764



34.0252, 26.6584, 34.7906

Square

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



18.3565, 26.6584, 36.0764



27.6929, 26.6584, 57.3308



33.8972, 26.6584, 22.9606



23.1205, 26.6584, 12.0180

Rectangle

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



18.3565, 26.6584, 36.0764



22.2464, 26.6584, 55.8004



33.8972, 26.6584, 22.9606



28.7036, 26.6584, 12.5712

Sweetspot

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



18.3573, 26.6594, 36.0770



44.8717, 53.9274, 65.1705



12.4075, 24.2844, 4.5245



9.6295, 11.7405, 14.3289



74.8435, 78.7412, 85.7492



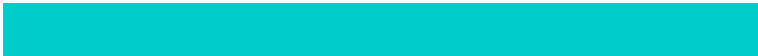
12.6291, 13.2868, 14.4694

Same Dimension

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



18.3573, 26.6594, 36.0770



32.4918, 47.5453, 64.5905



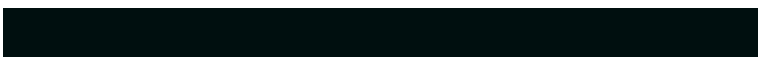
9.8610, 9.6666, 33.2454



6.8219, 7.5095, 8.4966



14.7352, 21.5620, 29.2921



0.2635, 0.3855, 0.5238

Inverse Universe

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



14.1844, 7.5770, 1.2061



24.9018, 12.8374, 1.1654



17.1817, 13.5717, 2.2051



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 18.3565, 26.6584, 36.0764 looks on a white background.

Color Contrast Check

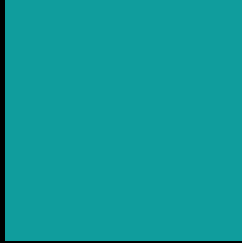
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3565, 26.6584, 36.0764 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

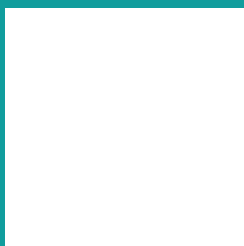
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3565, 26.6584, 36.0764

Background



This preview shows how black text looks on a background with the XYZ color 18.3565, 26.6584, 36.0764.

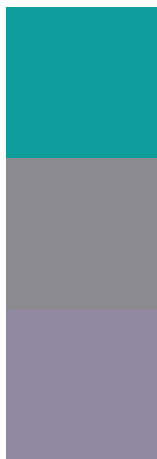


This preview shows how white text looks on a background with the XYZ color 18.3565, 26.6584,

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

18.3565, 26.6584, 36.0764

Protanopia

25.4054, 26.2033, 30.9129

Deuteranopia

26.8803, 26.3938, 37.3960



Tritanopia

19.3849, 26.5769, 41.1540

Trichromacy



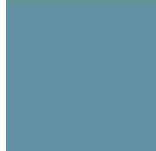
Original Color

18.3565, 26.6584, 36.0764



Protanomaly

20.6078, 25.2466, 32.6411



Deuteranomaly

21.2482, 25.0260, 36.9683



Tritanomaly

19.0153, 26.6769, 39.2689

Monochromacy



Original Color

18.3565, 26.6584, 36.0764



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

15.2363, 19.2392, 24.0296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3565, 26.6584, 36.0764 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, 157, 157)` looks like.

```
.text, #text, p{  
    color:rgb(16, 157, 157)  
}
```

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, 157, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 157, 157) }
```

Border

The CSS property to change the border of an element to XYZ 18.3565, 26.6584, 36.0764 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, 157, 157) }
```


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

```
.border{ border-color:rgb(16, 157, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 157, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 157, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 157, 157);  
box-shadow:4px 4px 4px 4px rgb(16, 157,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3565, 26.6584, 36.0764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 157, 157) }
```

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

```
.background{ background-color: rgb(16, 157,  
157) }
```

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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