

Converting Colors

XYZ(19.7233, 26.1531, 46.6050)

Have a look what the booklet for
XYZ(19.7233, 26.1531, 46.6050)
contains.

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Color

**XYZ(19.7249, 26.1387,
46.6535)**

Conversions

Conversions Part 1

Format	Color
Hex	0F99B3
RGB	15, 153, 179
RGB Percent	6%, 60%, 70%
CMY	0.9411, 0.4000, 0.2980
CMYK	0.92, 0.15, 0.00, 0.30
HSL	190°, 85%, 38%
HSV	190°, 92%, 70%
XYZ	19.7249, 26.1387, 46.6535
YIQ	114.7020, -90.5940, -21.1700

Conversions

Conversions Part 2

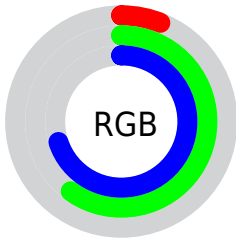
Format	Color
R_{YB}	15, 90, 179
Decimal	1022387
CIE _{Lab}	58.17, -23.67, -22.90
CIE _{LCh}	58, 32.933, 224.059
Yxy	26.1387, 0.2132, 0.2825
Android (android.graphics.Color)	4279212467 (0xFF0F99B3)
YUV	114.7020, 31.6989, -87.4387
Hunter-Lab	51.1260, -20.6036, -18.3151

Details

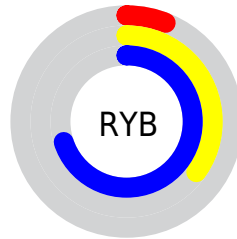
The XYZ color **19.7249, 26.1387, 46.6535** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.4708, 11.2059, 1.5896**, and the grayscale version is **16.1349, 16.9752, 18.4860**.

A 20% lighter version of the original color is **42.5883, 53.7066, 86.7190**, and **8.5173, 11.0091, 21.4147** is the 20% darker color. If you saturate the color by 10%, you get **19.1423, 25.2658, 46.5162**, and if you desaturate by 10%, it is **20.6232, 27.3001, 46.8308**.

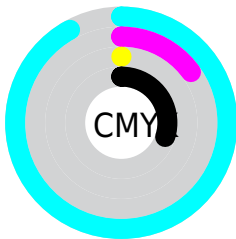
Distribution



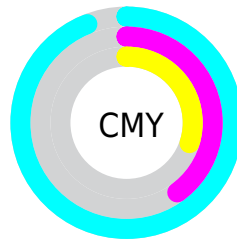
- Red (6%)
- Green (60%)
- Blue (70%)



- Red (6%)
- Yellow (35%)
- Blue (70%)



- Cyan (92%)
- Magenta (15%)
- Yellow (0%)
- Black (30%)



- Cyan (94%)
- Magenta (40%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7249, 26.1387, 46.6535 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 19.7249, 26.1387, 46.6535 by changing the saturation by 10% instead.

■ 19.7249, 26.1387,
46.6535

■ 19.7249, 26.1387,
46.6535

243.2840,
283.4623, 389.7834

■ 12.3023, 16.9274,
32.4094

■ 42.4629, 53.4986,
86.5407

■ 7.0236, 10.1828,
21.4070

■ 58.5091, 72.4161,
113.0210

■ 3.5233, 5.5203,
13.2277

■ 78.1606, 95.3377,
144.4170

■ 1.4362, 2.5557,
7.4530

■ 101.7826,
122.6479, 181.1475

■ 0.2818, 0.9044,
3.6643

■ 129.7406,
154.7310, 223.6307

■ 0.0000, 0.0000,
1.4430

■ 162.3999,

■ 0.0000, 0.0000,

191.9716, 272.2855

0.1749

200.1259,
234.7538, 327.5302

■ 0.0000, 0.0000,
0.0000

■ 19.7249, 26.1387,
46.6535

■ 19.7249, 26.1387,
46.6535

■ 19.1423, 25.2658,
46.5162

■ 20.6232, 27.3001,
46.8308

■ 21.8361, 28.6398,
47.0255

■ 23.4069, 30.1805,
47.2401

■ 25.3713, 31.9409,
47.4764

■ 27.7609, 33.9374,
47.7358

■ 30.6037, 36.1844,
48.0196

■ 33.9253, 38.6953,
48.3292

■ 37.7496, 41.4826,
48.6657

■ 42.0987, 44.5576,
49.0300

Harmonies

Analogous

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



18.1156, 26.1387, 34.1432



19.7249, 26.1387, 46.6535



22.7944, 26.1387, 55.2718

Triad

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



19.7249, 26.1387, 46.6535



32.9821, 26.1387, 34.9371



23.0252, 26.1387, 12.0154

Complementary

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



19.7249, 26.1387, 46.6535



19.4708, 11.2059, 1.5896

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.



27.0130, 26.1387, 12.1209



19.7249, 26.1387, 46.6535



33.0610, 26.1387, 23.4463

Square

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



19.7249, 26.1387, 46.6535



30.5748, 26.1387, 47.3673



30.7801, 26.1387, 15.7446



19.8782, 26.1387, 15.4029

Rectangle

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



19.7249, 26.1387, 46.6535



25.3915, 26.1387, 56.5114



30.7801, 26.1387, 15.7446



24.3046, 26.1387, 11.6789

Sweetspot

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



19.7258, 26.1396, 46.6541



57.1721, 66.6122, 86.2253



16.6943, 32.4930, 7.3657



12.2395, 14.4317, 19.0628



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



19.7258, 26.1396, 46.6541



34.1455, 44.9749, 83.2625



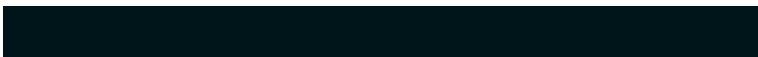
10.6786, 8.0452, 43.6384



8.6257, 9.3975, 10.8656



13.5660, 17.9324, 32.8833



0.4576, 0.6256, 1.0449

Inverse Universe

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



24.5117, 12.2261, 31.2059



43.1745, 21.1160, 53.5830



25.5887, 23.4417, 3.6289



8.7910, 8.6231, 10.3978



17.0821, 8.3504, 21.3903



0.5530, 0.2689, 0.7546

Previews

White Background



This preview shows how the XYZ color 19.7249, 26.1387, 46.6535 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 19.7249, 26.1387, 46.6535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

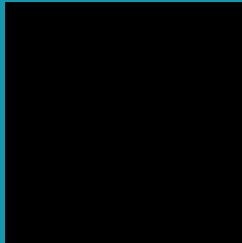
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.7249, 26.1387, 46.6535

Background



This preview shows how black text looks on a background with the XYZ color 19.7249, 26.1387, 46.6535.

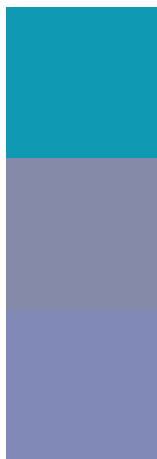


This preview shows how white text looks on a background with the XYZ color 19.7249, 26.1387,

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

19.7249, 26.1387, 46.6535

Protanopia

25.6721, 25.9096, 40.6938

Deuteranopia

26.5462, 25.9773, 48.4147



Tritanopia

18.6964, 26.2327, 40.6372

Trichromacy



Original Color

19.7249, 26.1387, 46.6535

Protanomaly

21.3887, 24.7473, 42.6791

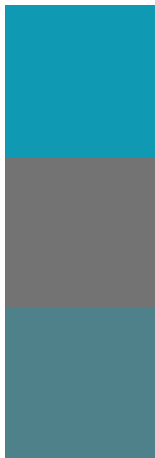
Deuteranomaly

22.2905, 25.0970, 47.9253

Tritanomaly

18.9689, 26.0837, 42.5630

Monochromacy



Original Color

19.7249, 26.1387, 46.6535

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.6622, 19.1978, 26.9248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7249, 26.1387, 46.6535 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(15, 153, 179)` looks like.

```
.text, #text, p{  
    color:rgb(15, 153, 179)  
}
```

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(15, 153, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 153, 179) }
```

Border

The CSS property to change the border of an element to XYZ 19.7249, 26.1387, 46.6535 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(15, 153, 179) }
```


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

```
.border{ border-color:rgb(15, 153, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 153, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 153, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 153, 179);  
box-shadow:4px 4px 4px 4px rgb(15, 153,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7249, 26.1387, 46.6535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 153, 179) }
```

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

```
.background{ background-color: rgb(15, 153,  
179) }
```

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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