

Converting Colors

XYZ(12.2032, 16.6727, 27.0359)

Have a look what the booklet for
XYZ(12.2032, 16.6727, 27.0359)
contains.

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Color

**XYZ(12.1749, 16.6247,
26.9933)**

Conversions

Conversions Part 1

Format	Color
Hex	0E7D8B
RGB	14, 125, 139
RGB Percent	5%, 49%, 55%
CMY	0.9450, 0.5098, 0.4549
CMYK	0.90, 0.10, 0.00, 0.45
HSL	187°, 82%, 30%
HSV	187°, 90%, 55%
XYZ	12.1749, 16.6247, 26.9933
YIQ	93.4070, -70.6500, -19.1780

Conversions

Conversions Part 2

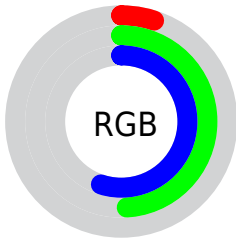
Format	Color
RYB	14, 73, 139
Decimal	949643
CIELab	47.78, -22.88, -15.67
CIELCh	48, 27.734, 214.399
Yxy	16.6247, 0.2182, 0.2980
Android (android.graphics.Color)	4279139723 (0xFF0E7D8B)
YUV	93.4070, 22.4773, -69.6399
Hunter-Lab	40.7734, -18.0535, -10.7105

Details

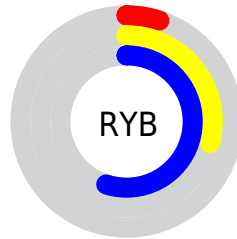
The XYZ color **12.1749, 16.6247, 26.9933** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **11.1425, 6.3518, 1.0547**, and the grayscale version is **10.4616, 11.0064, 11.9860**.

A 20% lighter version of the original color is **29.3653, 37.6728, 55.5930**, and **4.3876, 5.8902, 10.3569** is the 20% darker color. If you saturate the color by 10%, you get **11.8000, 16.1414, 26.9201**, and if you desaturate by 10%, it is **12.6693, 17.1748, 27.0737**.

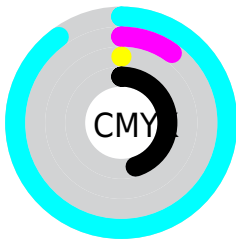
Distribution



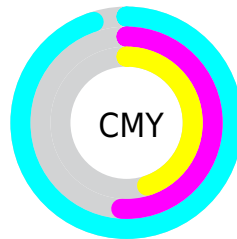
- Red (5%)
- Green (49%)
- Blue (55%)



- Red (5%)
- Yellow (29%)
- Blue (55%)



- Cyan (90%)
- Magenta (10%)
- Yellow (0%)
- Black (45%)



- Cyan (95%)
- Magenta (51%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1749, 16.6247, 26.9933 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 12.1749, 16.6247, 26.9933 by changing the saturation by 10% instead.

■ 12.1749, 16.6247,
26.9933

■ 12.1749, 16.6247,
26.9933

■ 199.3061,
233.0003, 301.3838

■ 6.9360, 9.9673,
17.3358

■ 29.4274, 37.6794,
55.8767

■ 3.4681, 5.3773,
10.3097

■ 42.1716, 52.8454,
75.9397

■ 1.4058, 2.4703,
5.4965

■ 58.1482, 71.6164,
100.3083

■ 0.2604, 0.8617,
2.4776

■ 77.7228, 94.3768,
129.4010

■ 0.0000, 0.0000,
0.8283

■ 101.2604,
121.5110, 163.6364

■ 0.0000, 0.0000,
0.0000

■ 129.1267,

153.4034, 203.4329

161.6868,
190.4383, 249.2092

■ 12.1749, 16.6247,
26.9933

■ 12.1749, 16.6247,
26.9933

■ 11.8000, 16.1414,
26.9201

■ 12.6693, 17.1748,
27.0737

■ 11.7970, 16.1376,
26.9195

■ 13.3417, 17.8209,
27.1630

■ 14.2143, 18.5749,
27.2626

■ 15.3054, 19.4461,
27.3732

■ 16.6313, 20.4431,
27.4958

■ 18.2068, 21.5734,
27.6309

■ 20.0454, 22.8441,
27.7793

■ 22.1596, 24.2616,
27.9414

■ 24.5613, 25.8320,
28.1180

Harmonies

Analogous

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



11.4969, 16.6247, 19.1724



12.1749, 16.6247, 26.9933



13.8238, 16.6247, 33.4740

Triad

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



12.1749, 16.6247, 26.9933



20.5180, 16.6247, 24.6874



15.4373, 16.6247, 7.5924

Complementary

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



12.1749, 16.6247, 26.9933



11.1425, 6.3518, 1.0547

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.



17.9589, 16.6247, 8.3468



12.1749, 16.6247, 26.9933



21.0648, 16.6247, 17.0712

Square

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



12.1749, 16.6247, 26.9933



18.6597, 16.6247, 31.9162



20.0845, 16.6247, 11.4144



13.2507, 16.6247, 8.9897

Rectangle

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



12.1749, 16.6247, 26.9933



15.3391, 16.6247, 35.4383



20.0845, 16.6247, 11.4144



16.2726, 16.6247, 7.6064

Sweetspot

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



12.1754, 16.6253, 26.9937



33.3295, 39.1415, 49.5414



9.6063, 18.6358, 4.0983



7.4681, 8.8706, 11.3980



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.1754, 16.6253, 26.9937



21.0507, 28.7484, 48.1825



6.6754, 5.6253, 25.1604



5.1258, 5.5946, 6.4155



10.6549, 14.5801, 24.2984



0.0771, 0.1095, 0.1635

Inverse Universe

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



14.5066, 7.2842, 20.0441



25.4807, 12.3950, 34.6624



14.2998, 12.6665, 2.1071



5.2101, 5.1195, 6.1950



12.8649, 6.2561, 17.5908



0.0887, 0.0428, 0.1336

Previews

White Background



This preview shows how the XYZ color 12.1749, 16.6247, 26.9933 looks on a white 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

Black Background



This preview shows how the XYZ color 12.1749, 16.6247, 26.9933 looks on a black 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

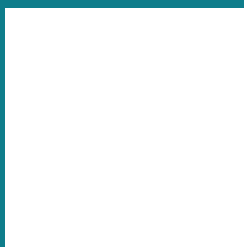
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.1749, 16.6247, 26.9933

Background



This preview shows how black text looks on a background with the XYZ color 12.1749, 16.6247, 26.9933.

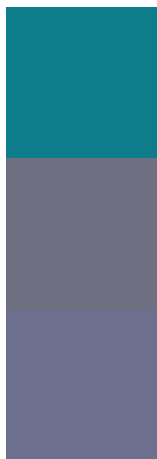


This preview shows how white text looks on a background with the XYZ color 12.1749, 16.6247,

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

12.1749, 16.6247, 26.9933

Protanopia

16.2538, 16.5150, 23.4501

Deuteranopia

16.8736, 16.5731, 27.9008



Tritanopia

11.9048, 16.6993, 25.8884

Trichromacy



Original Color

12.1749, 16.6247, 26.9933

Protanomaly

13.4966, 15.9119, 24.5503

Deuteranomaly

13.8771, 15.8697, 27.5311

Tritanomaly

12.0388, 16.7601, 26.2674

Monochromacy



Original Color

12.1749, 16.6247, 26.9933

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.9804, 12.3189, 16.6036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1749, 16.6247, 26.9933 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(14, 125, 139)` looks like.

```
.text, #text, p{  
    color:rgb(14, 125, 139)  
}
```

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(14, 125, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 125, 139) }
```

Border

The CSS property to change the border of an element to XYZ 12.1749, 16.6247, 26.9933 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(14, 125, 139) }
```


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

```
.border{ border-color:rgb(14, 125, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 125, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 125, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 125, 139);  
box-shadow:4px 4px 4px 4px rgb(14, 125,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1749, 16.6247, 26.9933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 125, 139) }
```

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

```
.background{ background-color: rgb(14, 125,  
139) }
```

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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