

Converting Colors

XYZ(12.4042, 17.2051, 27.5749)

Have a look what the booklet for
XYZ(12.4042, 17.2051, 27.5749)
contains.

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Color

**XYZ(12.3230, 17.0722,
27.4567)**

Conversions

Conversions Part 1

Format	Color
Hex	007F8C
RGB	0, 127, 140
RGB Percent	0%, 50%, 55%
CMY	0.9999, 0.5020, 0.4510
CMYK	1.00, 0.09, 0.00, 0.45
HSL	186°, 100%, 27%
HSV	186°, 100%, 55%
XYZ	12.3230, 17.0722, 27.4567
YIQ	90.5090, -79.8650, -22.8810

Conversions

Conversions Part 2

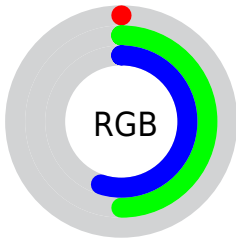
Format	Color
RYB	0, 67, 140
Decimal	32652
CIELab	48.35, -24.31, -15.41
CIELCh	48, 28.781, 212.361
Yxy	17.0722, 0.2168, 0.3003
Android (android.graphics.Color)	4278222732 (0xFF007F8C)
YUV	90.5090, 24.3991, -79.3764
Hunter-Lab	41.3185, -19.0709, -10.4760

Details

The XYZ color **12.3230, 17.0722, 27.4567** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.9596, 5.8639, 0.5548**, and the grayscale version is **9.7939, 10.3039, 11.2210**.

A 20% lighter version of the original color is **29.7150, 38.4224, 56.8891**, and **4.4993, 6.0459, 10.6027** is the 20% darker color. If you saturate the color by 10%, you get **12.3230, 17.0722, 27.4570**, and if you desaturate by 10%, it is **12.6737, 17.5042, 27.5219**.

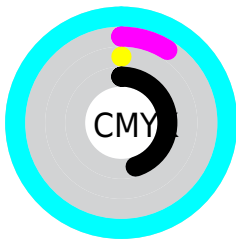
Distribution



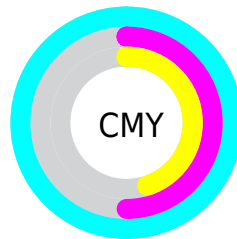
- Red (0%)
- Green (50%)
- Blue (55%)



- Red (0%)
- Yellow (26%)
- Blue (55%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (45%)



- Cyan (100%)
- Magenta (50%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3230, 17.0722, 27.4567 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 12.3230, 17.0722, 27.4567 by changing the saturation by 10% instead.

■ 12.3230, 17.0722,
27.4567

■ 12.3230, 17.0722,
27.4567

■ 200.2586,
235.5881, 303.6915

■ 7.0378, 10.2860,
17.6811

■ 29.6938, 38.4499,
56.6285

■ 3.5323, 5.5890,
10.5542

■ 42.5101, 53.8101,
76.8617

■ 1.4411, 2.5968,
5.6575

■ 58.5676, 72.7971,
101.4178

■ 0.2852, 0.9251,
2.5726

■ 78.2315, 95.7954,
130.7154

■ 0.0000, 0.0000,
0.8783

■ 101.8672,
123.1892, 165.1731

■ 0.0000, 0.0000,
0.0000

■ 129.8400,

155.3630, 205.2093

162.5154,
192.7012, 251.2425

■ 12.3230, 17.0722,
27.4567

■ 12.3230, 17.0722,
27.4567

■ 12.3230, 17.0722,
27.4570

■ 12.6737, 17.5042,
27.5219

■ 13.1429, 18.0002,
27.5929

■ 13.7925, 18.5925,
27.6730

■ 14.6444, 19.2922,
27.7632

■ 15.7174, 20.1093,
27.8643

■ 17.0281, 21.0521,
27.9772

■ 18.5915, 22.1285,
28.1026

■ 20.4214, 23.3456,
28.2411

■ 22.5306, 24.7099,
28.3933

Harmonies

Analogous

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



11.6849, 17.0722, 19.1912



12.3230, 17.0722, 27.4567



13.9944, 17.0722, 34.5748

Triad

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



12.3230, 17.0722, 27.4567



21.1253, 17.0722, 26.1394



16.0194, 17.0722, 7.5575

Complementary

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



12.3230, 17.0722, 27.4567



10.9596, 5.8639, 0.5548

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.



18.6844, 17.0722, 8.4928



12.3230, 17.0722, 27.4567



21.8148, 17.0722, 17.9990

Square

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



12.3230, 17.0722, 27.4567



19.0832, 17.0722, 33.6811



20.8781, 17.0722, 11.8710



13.6703, 17.0722, 8.8513

Rectangle

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



12.3230, 17.0722, 27.4567



15.5644, 17.0722, 36.9287



20.8781, 17.0722, 11.8710



16.9073, 17.0722, 7.6214

Sweetspot

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



12.3235, 17.0728, 27.4571



32.5851, 38.8830, 49.5307



9.4429, 18.7823, 3.4655



7.2620, 8.7915, 11.3936



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.



12.3235, 17.0728, 27.4571



21.6636, 29.9741, 48.3868



6.2645, 4.9547, 25.4374



5.1338, 5.6106, 6.4182



10.9570, 15.1844, 24.3991



0.0782, 0.1116, 0.1639

Inverse Universe

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



14.6465, 7.1083, 20.6794



25.7901, 12.5187, 36.2914



13.8084, 11.5613, 1.5044



5.2142, 5.1211, 6.2163



13.0174, 6.3171, 18.3938



0.0892, 0.0430, 0.1365

Previews

White Background



This preview shows how the XYZ color 12.3230, 17.0722, 27.4567 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 12.3230, 17.0722, 27.4567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

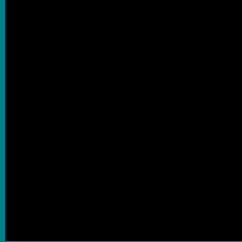
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3230, 17.0722, 27.4567

Background



This preview shows how black text looks on a background with the XYZ color 12.3230, 17.0722, 27.4567.



This preview shows how white text looks on a background with the XYZ color 12.3230, 17.0722,

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

12.3230, 17.0722, 27.4567

Protanopia

16.6696, 17.0528, 23.8857

Deuteranopia

17.3076, 16.9510, 28.3463



Tritanopia

12.1768, 17.0137, 26.6869

Trichromacy



Original Color

12.3230, 17.0722, 27.4567

Protanomaly

13.4984, 16.2545, 24.9802

Deuteranomaly

13.8423, 16.0152, 27.9529

Tritanomaly

12.2496, 17.0428, 27.0701

Monochromacy



Original Color

12.3230, 17.0722, 27.4567

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

9.4556, 11.9043, 16.2674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3230, 17.0722, 27.4567 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, 127, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 140)  
}
```

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, 127, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 140) }
```

Border

The CSS property to change the border of an element to XYZ 12.3230, 17.0722, 27.4567 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, 127, 140) }
```


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

```
.border{ border-color:rgb(0, 127, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 127, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3230, 17.0722, 27.4567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 140) }
```

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

```
.background{ background-color: rgb(0, 127,  
140) }
```

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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