

Converting Colors

XYZ(12.7355, 17.6721, 27.5508)

Have a look what the booklet for
XYZ(12.7355, 17.6721, 27.5508)
contains.

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Color

**XYZ(12.7355, 17.6721,
27.5508)**

Conversions

Conversions Part 1

Format	Color
Hex	0C818C
RGB	12, 129, 140
RGB Percent	5%, 51%, 55%
CMY	0.9529, 0.4941, 0.4510
CMYK	0.91, 0.08, 0.00, 0.45
HSL	185°, 84%, 30%
HSV	185°, 91%, 55%
XYZ	12.7355, 17.6721, 27.5508
YIQ	95.2710, -73.2630, -21.3830

Conversions

Conversions Part 2

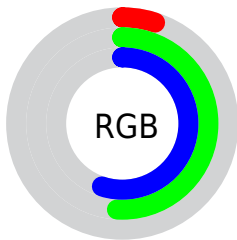
Format	Color
RYB	12, 73, 140
Decimal	819596
CIELab	49.10, -24.73, -14.26
CIELCh	49, 28.549, 209.978
Yxy	17.6721, 0.2197, 0.3049
Android (android.graphics.Color)	4279009676 (0xFF0C818C)
YUV	95.2710, 22.0514, -73.0287
Hunter-Lab	42.0382, -19.4901, -9.4305

Details

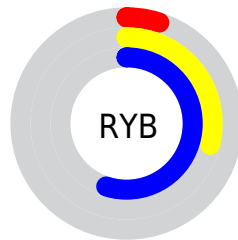
The XYZ color **12.7355, 17.6721, 27.5508** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.1886, 6.2156, 0.9585**, and the grayscale version is **10.9050, 11.4730, 12.4940**.

A 20% lighter version of the original color is **30.3960, 39.3772, 57.0375**, and **4.6414, 6.3301, 10.6501** is the 20% darker color. If you saturate the color by 10%, you get **12.4488, 17.3237, 27.4990**, and if you desaturate by 10%, it is **13.1701, 18.1332, 27.6172**.

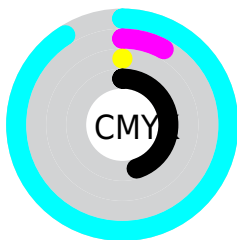
Distribution



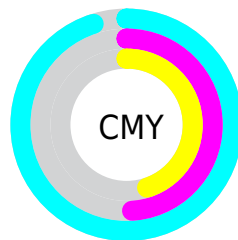
- Red (5%)
- Green (51%)
- Blue (55%)



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



- Cyan (91%)
- Magenta (8%)
- Yellow (0%)
- Black (45%)



- Cyan (95%)
- Magenta (49%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7355, 17.6721, 27.5508 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 12.7355, 17.6721, 27.5508 by changing the saturation by 10% instead.

■ 12.7355, 17.6721,
27.5508

■ 12.7355, 17.6721,
27.5508

■ 202.8875,
239.0163, 304.1583

■ 7.3224, 10.7148,
17.7512

■ 30.4331, 39.4778,
56.7809

■ 3.7127, 5.8754,
10.6039

■ 43.4484, 55.0950,
77.0485

■ 1.5409, 2.7695,
5.6904

■ 59.7284, 74.3677,
101.6426

■ 0.3534, 1.0126,
2.5920

■ 79.6386, 97.6801,
130.9816

■ 0.0000, 0.0000,
0.8883

■ 103.5442,
125.4169, 165.4842

■ 0.0000, 0.0000,
0.0000

■ 131.8107,

157.9622, 205.5688

164.8033,
195.7005, 251.6540

■ 12.7355, 17.6721,
27.5508

■ 12.7355, 17.6721,
27.5508

■ 12.4488, 17.3237,
27.4990

■ 13.1701, 18.1332,
27.6172

■ 13.7807, 18.6874,
27.6920

■ 14.5904, 19.3471,
27.7767

■ 15.6184, 20.1221,
27.8721

■ 16.8815, 21.0211,
27.9790

■ 18.3949, 22.0520,
28.0982

■ 20.1726, 23.2219,
28.2304

■ 22.2274, 24.5375,
28.3760

■ 24.5715, 26.0051,
28.5357

Harmonies

Analogous

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



12.1736, 17.6721, 19.2361



12.7355, 17.6721, 27.5508



14.3599, 17.6721, 34.9611

Triad

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



12.7355, 17.6721, 27.5508



21.6386, 17.6721, 27.5635



16.7988, 17.6721, 7.9766

Complementary

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



12.7355, 17.6721, 27.5508



11.1886, 6.2156, 0.9585

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.



19.4949, 17.6721, 9.1228



12.7355, 17.6721, 27.5508



22.4633, 17.6721, 19.2477

Square

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



12.7355, 17.6721, 27.5508



19.4911, 17.6721, 34.9697



21.6410, 17.6721, 12.7980



14.3630, 17.6721, 9.1193

Rectangle

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



12.7355, 17.6721, 27.5508



15.9202, 17.6721, 37.6260



21.6410, 17.6721, 12.7980



17.7050, 17.6721, 8.1018

Sweetspot

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



12.7361, 17.6727, 27.5512



33.5797, 39.6418, 49.6248



9.6816, 18.8953, 3.9310



7.5317, 8.9978, 11.4192



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.



12.7361, 17.6727, 27.5512



21.8893, 30.4256, 48.4620



6.7957, 5.7920, 25.5711



5.1367, 5.6164, 6.4192



11.0682, 15.4068, 24.4361



0.0785, 0.1124, 0.1640

Inverse Universe

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



14.9096, 7.4240, 21.4166



25.9040, 12.5643, 36.8914



14.2638, 12.3660, 1.9835



5.2156, 5.1217, 6.2240



13.0735, 6.3395, 18.6894



0.0894, 0.0431, 0.1375

Previews

White Background



This preview shows how the XYZ color 12.7355, 17.6721, 27.5508 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 12.7355, 17.6721, 27.5508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

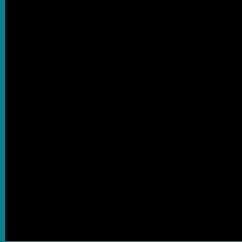
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.7355, 17.6721, 27.5508

Background



This preview shows how black text looks on a background with the XYZ color 12.7355, 17.6721, 27.5508.

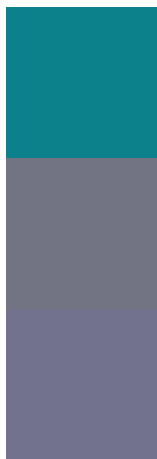


This preview shows how white text looks on a background with the XYZ color 12.7355, 17.6721,

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

12.7355, 17.6721, 27.5508

Protanopia

17.1669, 17.4776, 23.9414

Deuteranopia

17.9147, 17.5952, 28.4386



Tritanopia

12.7219, 17.6651, 27.5501

Trichromacy



Original Color

12.7355, 17.6721, 27.5508

Protanomaly

14.0801, 16.7320, 25.0417

Deuteranomaly

14.5399, 16.7244, 28.0530

Tritanomaly

12.7219, 17.6651, 27.5501

Monochromacy



Original Color

12.7355, 17.6721, 27.5508

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.3069, 12.7869, 16.9638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7355, 17.6721, 27.5508 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(12, 129, 140)` looks like.

```
.text, #text, p{  
    color:rgb(12, 129, 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(12, 129, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 129, 140) }
```

Border

The CSS property to change the border of an element to XYZ 12.7355, 17.6721, 27.5508 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(12, 129, 140) }
```


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

```
.border{ border-color:rgb(12, 129, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 129, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(12, 129, 140); -webkit-box-shadow:4px 4px 4px 4px rgb(12, 129, 140); box-shadow:4px 4px 4px 4px rgb(12, 129, 140) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7355, 17.6721, 27.5508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 129, 140) }
```

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

```
.background{ background-color: rgb(12, 129,  
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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