

Converting Colors

XYZ(12.2453, 17.6895, 24.2418)

Have a look what the booklet for
XYZ(12.2453, 17.6895, 24.2418)
contains.

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Color

**XYZ(12.2453, 17.6895,
24.2418)**

Conversions

Conversions Part 1

Format	Color
Hex	0D8283
RGB	13, 130, 131
RGB Percent	5%, 51%, 51%
CMY	0.9490, 0.4902, 0.4863
CMYK	0.90, 0.01, 0.00, 0.49
HSL	181°, 82%, 28%
HSV	181°, 90%, 51%
XYZ	12.2453, 17.6895, 24.2418
YIQ	95.1310, -70.0530, -24.4930

Conversions

Conversions Part 2

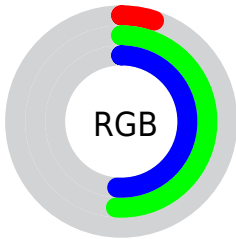
Format	Color
RYB	13, 72, 131
Decimal	885379
CIELab	49.12, -28.15, -8.95
CIELCh	49, 29.535, 197.632
Yxy	17.6895, 0.2260, 0.3265
Android (android.graphics.Color)	4279075459 (0xFF0D8283)
YUV	95.1310, 17.6834, -72.0289
Hunter-Lab	42.0589, -21.6334, -4.7322

Details

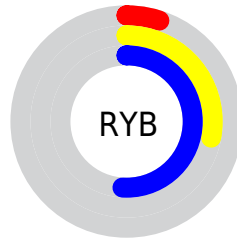
The XYZ color **12.2453, 17.6895, 24.2418** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.5901, 5.1688, 0.8734**, and the grayscale version is **10.8806, 11.4472, 12.4660**.

A 20% lighter version of the original color is **29.5157, 39.3539, 51.3878**, and **4.3917, 6.3465, 8.9762** is the 20% darker color. If you saturate the color by 10%, you get **12.0651, 17.5752, 24.2296**, and if you desaturate by 10%, it is **12.5233, 17.8551, 24.2594**.

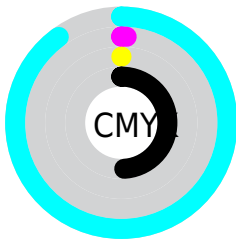
Distribution



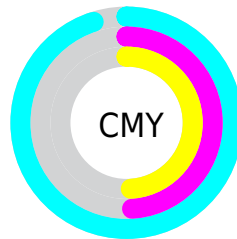
- Red (5%)
- Green (51%)
- Blue (51%)



- Red (5%)
- Yellow (28%)
- Blue (51%)



- Cyan (90%)
- Magenta (1%)
- Yellow (0%)
- Black (49%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2453, 17.6895, 24.2418 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 12.2453, 17.6895, 24.2418 by changing the saturation by 10% instead.

12.2453, 17.6895,
24.2418

12.2453, 17.6895,
24.2418

199.7595,
239.1150, 287.3665

6.9844, 10.7273,
15.2992

29.5541, 39.5075,
51.3733

3.4986, 5.8838,
8.8807

42.3326, 55.1321,
70.3992

1.4226, 2.7745,
4.5677

58.3478, 74.4130,
93.6234

0.2722, 1.0152,
1.9417

77.9648, 97.7345,
121.4644

0.0000, 0.0000,
0.5191

101.5491,
125.4811, 154.3406

0.0000, 0.0000,
0.0000

129.4661,

158.0371, 192.6707

162.0811,
195.7870, 236.8731

■ 12.2453, 17.6895,
24.2418

■ 12.2453, 17.6895,
24.2418

■ 12.0651, 17.5752,
24.2296

■ 12.5233, 17.8551,
24.2594

■ 12.9540, 18.0991,
24.2838

■ 13.5563, 18.4315,
24.3163

■ 14.3461, 18.8607,
24.3575

■ 15.3376, 19.3939,
24.4081

■ 16.5434, 20.0375,
24.4688

■ 17.9753, 20.7977,
24.5401

■ 19.6439, 21.6800,
24.6224

■ 21.5596, 22.6897,
24.7163

Harmonies

Analogous

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



12.1435, 17.6895, 16.1849



12.2453, 17.6895, 24.2418



13.4842, 17.6895, 32.8160

Triad

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



12.2453, 17.6895, 24.2418



21.0476, 17.6895, 31.4279



17.9760, 17.6895, 7.9014

Complementary

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



12.2453, 17.6895, 24.2418



9.5901, 5.1688, 0.8734

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.



20.6498, 17.6895, 10.0715



12.2453, 17.6895, 24.2418



22.5490, 17.6895, 22.7037

Square

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



12.2453, 17.6895, 24.2418



18.4728, 17.6895, 37.6831



22.3959, 17.6895, 15.0137



15.2563, 17.6895, 8.1026

Rectangle

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



12.2453, 17.6895, 24.2418



14.8733, 17.6895, 37.0150



22.3959, 17.6895, 15.0137



18.9152, 17.6895, 8.3462

Sweetspot

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



12.2458, 17.6902, 24.2422



30.2141, 36.1955, 43.8471



8.3553, 16.3476, 3.0962



6.8741, 8.3418, 10.2005



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.2458, 17.6902, 24.2422



21.5995, 31.4608, 43.3873



6.5807, 6.3599, 22.3538



4.7983, 5.2723, 5.9655



11.8761, 17.3001, 23.8500



0.0414, 0.0605, 0.0827

Inverse Universe

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



13.5337, 6.7253, 21.7046



23.9613, 11.5208, 38.6958



11.7507, 9.4900, 1.5936



4.8562, 4.7622, 5.8553



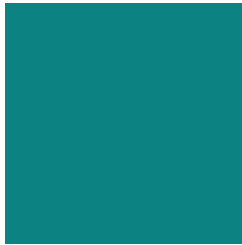
13.1726, 6.3334, 21.2792



0.0458, 0.0220, 0.0744

Previews

White Background



This preview shows how the XYZ color 12.2453, 17.6895, 24.2418 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 12.2453, 17.6895, 24.2418 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 12.2453, 17.6895, 24.2418

Background



This preview shows how black text looks on a background with the XYZ color 12.2453, 17.6895, 24.2418.

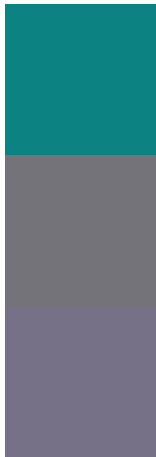


This preview shows how white text looks on a background with the XYZ color 12.2453, 17.6895,

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

12.2453, 17.6895, 24.2418

Protanopia

16.8460, 17.3796, 20.8791

Deuteranopia

17.8861, 17.4815, 25.3532



Tritanopia

12.9114, 17.7713, 27.1758

Trichromacy



Original Color

12.2453, 17.6895, 24.2418

Protanomaly

13.6426, 16.5759, 21.8825

Deuteranomaly

14.2082, 16.6204, 25.0135

Tritanomaly

12.6035, 17.6375, 26.0327

Monochromacy



Original Color

12.2453, 17.6895, 24.2418

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.2493, 12.9317, 16.1432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2453, 17.6895, 24.2418 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(13, 130, 131)` looks like.

```
.text, #text, p{  
    color:rgb(13, 130, 131)  
}
```

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(13, 130, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 130, 131) }
```

Border

The CSS property to change the border of an element to XYZ 12.2453, 17.6895, 24.2418 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(13, 130, 131) }
```


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

```
.border{ border-color:rgb(13, 130, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 130, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 130, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 130, 131);  
box-shadow:4px 4px 4px 4px rgb(13, 130,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2453, 17.6895, 24.2418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 130, 131) }
```

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

```
.background{ background-color: rgb(13, 130,  
131) }
```

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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