

Converting Colors

XYZ(10.5344, 16.9691, 24.1423)

Have a look what the booklet for
XYZ(10.5344, 16.9691, 24.1423)
contains.

XYZ(12.2130, 17.8713, 24.2785)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.2130, 17.8713,
24.2785)**

Conversions

Conversions Part 1

Format	Color
Hex	008383
RGB	0, 131, 131
RGB Percent	0%, 51%, 51%
CMY	0.9999, 0.4863, 0.4863
CMYK	1.00, 0.00, 0.00, 0.49
HSL	180°, 100%, 26%
HSV	180°, 100%, 51%
XYZ	12.2130, 17.8713, 24.2785
YIQ	91.8310, -78.0760, -27.7720

Conversions

Conversions Part 2

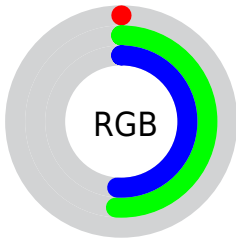
Format	Color
RYB	0, 66, 131
Decimal	33667
CIELab	49.34, -29.33, -8.62
CIELCh	49, 30.570, 196.386
Yxy	17.8713, 0.2247, 0.3287
Android (android.graphics.Color)	4278223747 (0xFF008383)
YUV	91.8310, 19.3103, -80.5358
Hunter-Lab	42.2745, -22.4120, -4.4585

Details

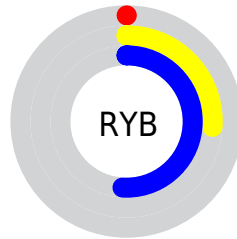
The XYZ color **12.2130, 17.8713, 24.2785** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.3606, 4.8258, 0.4386**, and the grayscale version is **10.1049, 10.6311, 11.5773**.

A 20% lighter version of the original color is **29.5680, 39.9976, 51.5093**, and **4.4654, 6.4941, 9.0008** is the 20% darker color. If you saturate the color by 10%, you get **12.2134, 17.8719, 24.2789**, and if you desaturate by 10%, it is **12.3810, 17.9583, 24.2868**.

Distribution



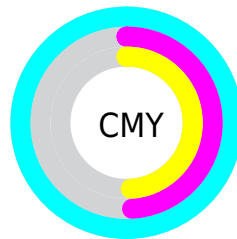
- Red (0%)
- Green (51%)
- Blue (51%)



- Red (0%)
- Yellow (26%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (49%)



- Cyan (100%)
- Magenta (49%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2130, 17.8713, 24.2785 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 12.2130, 17.8713, 24.2785 by changing the saturation by 10% instead.

■ 12.2130, 17.8713,
24.2785

■ 12.2130, 17.8713,
24.2785

■ 199.5516,
240.1446, 287.5572

■ 6.9621, 10.8576,
15.3262

■ 29.4960, 39.8179,
51.4338

■ 3.4846, 5.9712,
8.8995

■ 42.2588, 55.5196,
70.4739

■ 1.4149, 2.8276,
4.5798

■ 58.2563, 74.8861,
93.7137

■ 0.2668, 1.0424,
1.9485

■ 77.8538, 98.3019,
121.5718

■ 0.0000, 0.0000,
0.5233

■ 101.4168,
126.1512, 154.4666

■ 0.0000, 0.0000,
0.0000

■ 129.3105,

158.8185, 192.8168

161.9003,
196.6882, 237.0408

■ 12.2130, 17.8713,
24.2785

■ 12.2130, 17.8713,
24.2785

■ 12.2134, 17.8719,
24.2789

■ 12.3810, 17.9583,
24.2868

■ 12.6449, 18.0943,
24.2992

■ 13.0621, 18.3094,
24.3188

■ 13.6510, 18.6130,
24.3464

■ 14.4276, 19.0134,
24.3828

■ 15.4060, 19.5177,
24.4286

■ 16.5987, 20.1326,
24.4845

■ 18.0175, 20.8640,
24.5509

■ 19.6732, 21.7176,
24.6284

Harmonies

Analogous

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



12.1575, 17.8713, 15.9633



12.2130, 17.8713, 24.2785



13.4493, 17.8713, 33.3285

Triad

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



12.2130, 17.8713, 24.2785



21.3137, 17.8713, 32.5588



18.3216, 17.8713, 7.7664

Complementary

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



12.2130, 17.8713, 24.2785



9.3606, 4.8258, 0.4386

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.



21.0943, 17.8713, 10.0956



12.2130, 17.8713, 24.2785



22.9490, 17.8713, 23.4307

Square

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



12.2130, 17.8713, 24.2785



18.5948, 17.8713, 38.9562



22.8645, 17.8713, 15.3233



15.4730, 17.8713, 7.8744

Rectangle

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



12.2130, 17.8713, 24.2785



14.8654, 17.8713, 37.8813



22.8645, 17.8713, 15.3233



19.2995, 17.8713, 8.2540

Sweetspot

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



12.2135, 17.8720, 24.2789



29.5606, 35.9679, 43.8374



8.1442, 16.2474, 2.7072



6.6944, 8.2772, 10.1975



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.



12.2135, 17.8720, 24.2789



21.8708, 32.0037, 43.4770



6.1455, 5.7358, 22.2567



4.8016, 5.2789, 5.9666



12.0218, 17.5916, 23.8982



0.0416, 0.0609, 0.0828

Inverse Universe

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



9.3606, 4.8258, 0.4386



16.7619, 8.6411, 0.7845



11.1560, 8.4166, 1.0370



4.6726, 4.6887, 4.8881



9.2136, 4.7498, 0.4312



0.0319, 0.0165, 0.0015

Previews

White Background



This preview shows how the XYZ color 12.2130, 17.8713, 24.2785 looks on a white background.

Color Contrast Check

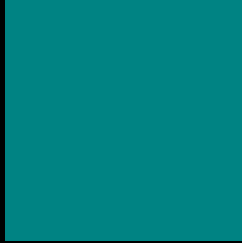
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2130, 17.8713, 24.2785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

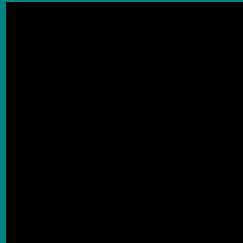
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.2130, 17.8713, 24.2785

Background



This preview shows how black text looks on a background with the XYZ color 12.2130, 17.8713, 24.2785.

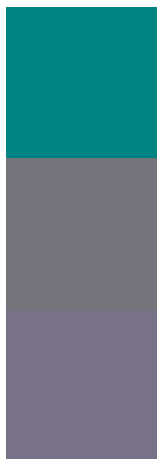


This preview shows how white text looks on a background with the XYZ color 12.2130, 17.8713,

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

12.2130, 17.8713, 24.2785

Protanopia

17.0944, 17.6778, 20.9235

Deuteranopia

18.1362, 17.7770, 25.3971



Tritanopia

13.0929, 18.0529, 27.6054

Trichromacy



Original Color

12.2130, 17.8713, 24.2785

Protanomaly

13.3631, 16.6113, 21.9040

Deuteranomaly

14.0000, 16.6907, 25.0380

Tritanomaly

12.6950, 17.8730, 26.4476

Monochromacy



Original Color

12.2130, 17.8713, 24.2785

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.5592, 12.2785, 15.5018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2130, 17.8713, 24.2785 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, 131, 131)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 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(0, 131, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 131) }
```

Border

The CSS property to change the border of an element to XYZ 12.2130, 17.8713, 24.2785 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, 131, 131) }
```


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

```
.border{ border-color:rgb(0, 131, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 131, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 131);  
box-shadow:4px 4px 4px 4px rgb(0, 131,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2130, 17.8713, 24.2785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 131) }
```

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

```
.background{ background-color: rgb(0, 131,  
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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