

Converting Colors

XYZ(10.1195, 18.4187, 21.9420)

Have a look what the booklet for
XYZ(10.1195, 18.4187, 21.9420)
contains.

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Color

**XYZ(12.8707, 19.9205,
22.2355)**

Conversions

Conversions Part 1

Format	Color
Hex	008B7C
RGB	0, 139, 124
RGB Percent	0%, 55%, 49%
CMY	1.0000, 0.4549, 0.5137
CMYK	1.00, 0.00, 0.11, 0.45
HSL	174°, 100%, 27%
HSV	174°, 100%, 55%
XYZ	12.8707, 19.9205, 22.2355
YIQ	95.7290, -78.0290, -34.1330

Conversions

Conversions Part 2

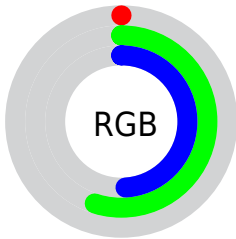
Format	Color
RYB	0, 73, 139
Decimal	35708
CIELab	51.75, -35.26, -0.97
CIELCh	52, 35.269, 181.578
Yxy	19.9205, 0.2339, 0.3620
Android (android.graphics.Color)	4278225788 (0xFF008B7C)
YUV	95.7290, 13.9376, -83.9543
Hunter-Lab	44.6324, -26.6324, 1.7049

Details

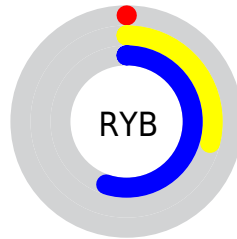
The XYZ color **12.8707, 19.9205, 22.2355** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.7343, 5.5240, 0.9529**, and the grayscale version is **11.0346, 11.6093, 12.6425**.

A 20% lighter version of the original color is **30.5626, 43.1593, 47.7941**, and **4.7597, 7.4874, 7.8510** is the 20% darker color. If you saturate the color by 10%, you get **12.8710, 19.9211, 22.2355**, and if you desaturate by 10%, it is **13.1465, 20.0521, 22.7480**.

Distribution



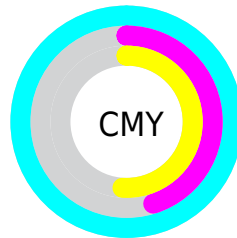
- Red (0%)
- Green (55%)
- Blue (49%)



- Red (0%)
- Yellow (29%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (45%)



- Cyan (100%)
- Magenta (45%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8707, 19.9205, 22.2355 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 12.8707, 19.9205, 22.2355 by changing the saturation by 10% instead.

■ 12.8707, 19.9205,
22.2355

■ 12.8707, 19.9205,
22.2355

■ 203.7417,
251.4844, 276.7672

■ 7.4160, 12.3373,
13.8301

■ 30.6746, 43.2839,
48.0421

■ 3.7722, 6.9738,
7.8652

■ 43.7544, 59.8328,
66.2803

■ 1.5741, 3.4457,
3.9223

■ 60.1067, 80.1390,
88.6333

■ 0.3754, 1.3686,
1.5828

■ 80.0968, 104.5870,
115.5194

■ 0.0000, 0.1934,
0.2785

■ 104.0899,
133.5612, 147.3574

■ 0.0000, 0.0000,
0.0000

■ 132.4516,

167.4459, 184.5656

165.5470,
206.6255, 227.5627

■ 12.8707, 19.9205,
22.2355

■ 12.8707, 19.9205,
22.2355

■ 12.8710, 19.9211,
22.2355

■ 13.1465, 20.0521,
22.7480

■ 13.5376, 20.2425,
23.2729

■ 14.1055, 20.5239,
23.8138

■ 14.8717, 20.9073,
24.3716

■ 15.8547, 21.4023,
24.9471

■ 17.0707, 22.0173,
25.5413

■ 18.5345, 22.7599,
26.1548

■ 20.2597, 23.6370,
26.7883

■ 22.2587, 24.6551,
27.4424

Harmonies

Analogous

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



13.5186, 19.9205, 13.6180



12.8707, 19.9205, 22.2355



13.6700, 19.9205, 33.6911

Triad

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



12.8707, 19.9205, 22.2355



22.7583, 19.9205, 43.1033



22.3905, 19.9205, 8.5931

Complementary

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



12.8707, 19.9205, 22.2355



10.7343, 5.5240, 0.9529

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.



25.4004, 19.9205, 12.9425



12.8707, 19.9205, 22.2355



25.6308, 19.9205, 32.4500

Square

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



12.8707, 19.9205, 22.2355



19.1234, 19.9205, 47.8546



26.6529, 19.9205, 21.1536



18.7456, 19.9205, 7.3815

Rectangle

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



12.8707, 19.9205, 22.2355



14.9824, 19.9205, 41.0115



26.6529, 19.9205, 21.1536



23.5252, 19.9205, 9.6513

Sweetspot

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



12.8713, 19.9213, 22.2360



33.0033, 40.6623, 46.7634



9.4506, 18.5781, 3.0882



7.3699, 9.2504, 10.6803



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.



12.8713, 19.9213, 22.2360



23.0121, 35.6593, 39.6243



7.9662, 8.4756, 25.6431



5.1500, 5.6795, 6.3108



11.6201, 17.9806, 20.0877



0.0803, 0.1207, 0.1497

Inverse Universe

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



10.7343, 5.5240, 0.9529



19.1900, 9.8787, 1.5359



11.9344, 8.0621, 0.9275



5.0534, 5.0568, 5.3697



9.6912, 4.9866, 0.8784



0.0669, 0.0341, 0.0189

Previews

White Background



This preview shows how the XYZ color 12.8707, 19.9205, 22.2355 looks on a white 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

Black Background



This preview shows how the XYZ color 12.8707, 19.9205, 22.2355 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 12.8707, 19.9205, 22.2355

Background



This preview shows how black text looks on a background with the XYZ color 12.8707, 19.9205, 22.2355.

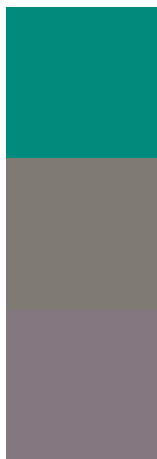


This preview shows how white text looks on a background with the XYZ color 12.8707, 19.9205,

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

12.8707, 19.9205, 22.2355

Protanopia

18.8064, 19.6689, 19.0249

Deuteranopia

20.0088, 19.6577, 23.1618



Tritanopia

14.7982, 20.0900, 30.7016

Trichromacy



Original Color

12.8707, 19.9205, 22.2355

Protanomaly

14.3825, 18.4957, 19.9515

Deuteranomaly

14.9478, 18.3388, 22.8306

Tritanomaly

13.9592, 19.9376, 27.5387

Monochromacy



Original Color

12.8707, 19.9205, 22.2355

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.3202, 13.6210, 15.7209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8707, 19.9205, 22.2355 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, 139, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 124)  
}
```

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, 139, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 124) }
```

Border

The CSS property to change the border of an element to XYZ 12.8707, 19.9205, 22.2355 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, 139, 124) }
```


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

```
.border{ border-color:rgb(0, 139, 124) }
```

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

Here you see how a box with a 4 pixel rgb(0, 139, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 139,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8707, 19.9205, 22.2355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 139, 124) }
```

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

```
.background{ background-color: rgb(0, 139,  
124) }
```

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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