

Converting Colors

XYZ(19.9782, 28.5557, 40.5358)

Have a look what the booklet for
XYZ(19.9782, 28.5557, 40.5358)
contains.

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Color

**XYZ(20.0718, 28.7323,
40.5644)**

Conversions

Conversions Part 1

Format	Color
Hex	13A2A6
RGB	19, 162, 166
RGB Percent	7%, 64%, 65%
CMY	0.9254, 0.3647, 0.3490
CMYK	0.89, 0.02, 0.00, 0.35
HSL	182°, 79%, 36%
HSV	182°, 89%, 65%
XYZ	20.0718, 28.7323, 40.5644
YIQ	119.6990, -86.5120, -29.0720

Conversions

Conversions Part 2

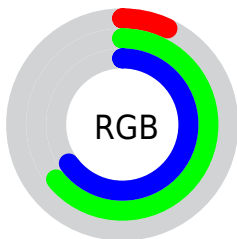
Format	Color
R_{YB}	19, 91, 166
Decimal	1286822
CIE _{Lab}	60.54, -32.18, -11.94
CIE _{LCh}	61, 34.326, 200.350
Yxy	28.7323, 0.2246, 0.3215
Android (android.graphics.Color)	4279476902 (0xFF13A2A6)
YUV	119.6990, 22.8264, -88.3130
Hunter-Lab	53.6025, -26.9640, -7.3467

Details

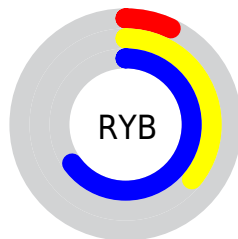
The XYZ color **20.0718, 28.7323, 40.5644** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.1505, 8.7676, 1.4579**, and the grayscale version is **17.7077, 18.6299, 20.2880**.

A 20% lighter version of the original color is **42.9010, 57.4428, 77.2331**, and **8.6132, 12.3668, 17.8526** is the 20% darker color. If you saturate the color by 10%, you get **19.7546, 28.4515, 40.5275**, and if you desaturate by 10%, it is **20.5977, 29.1224, 40.6125**.

Distribution



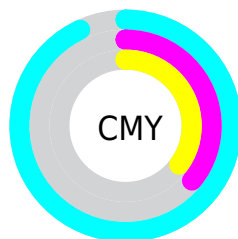
- Red (7%)
- Green (64%)
- Blue (65%)



- Red (7%)
- Yellow (36%)
- Blue (65%)



- Cyan (89%)
- Magenta (2%)
- Yellow (0%)
- Black (35%)



- Cyan (93%)
- Magenta (36%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0718, 28.7323, 40.5644 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 20.0718, 28.7323, 40.5644 by changing the saturation by 10% instead.

■ 20.0718, 28.7323,
40.5644

■ 20.0718, 28.7323,
40.5644

■ 245.1297,
295.9498, 364.1193

■ 12.5558, 18.8784,
27.6617

■ 43.0406, 57.6515,
77.2687

■ 7.1983, 11.5824,
17.8340

■ 59.2240, 77.4856,
101.9074

■ 3.6338, 6.4600,
10.6627

■ 79.0274, 101.4152,
131.2951

■ 1.4971, 3.1268,
5.7292

■ 102.8160,
129.8247, 165.8505

■ 0.3239, 1.1983,
2.6150

■ 130.9551,
163.0985, 205.9921

■ 0.0000, 0.0603,
0.9002

■ 163.8102,

■ 0.0000, 0.0000,

201.6210, 252.1384

0.0000

201.7466,
245.7767, 304.7080

■ 20.0718, 28.7323,
40.5644

■ 20.0718, 28.7323,
40.5644

■ 19.7546, 28.4515,
40.5275

■ 20.5977, 29.1224,
40.6125

■ 19.7129, 28.4129,
40.5222

■ 21.3908, 29.6499,
40.6725

■ 22.4850, 30.3332,
40.7467

■ 23.9086, 31.1866,
40.8364

■ 25.6865, 32.2232,
40.9428

■ 27.8416, 33.4546,
41.0669

■ 30.3943, 34.8915,
41.2097

■ 33.3641, 36.5437,
41.3721

■ 36.7688, 38.4207,
41.5549

Harmonies

Analogous

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



19.7386, 28.7323, 27.3683



20.0718, 28.7323, 40.5644



22.2234, 28.7323, 54.0950

Triad

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



20.0718, 28.7323, 40.5644



34.4117, 28.7323, 49.5893



28.7631, 28.7323, 12.8625

Complementary

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



20.0718, 28.7323, 40.5644



16.1505, 8.7676, 1.4579

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.



33.1171, 28.7323, 16.0021



20.0718, 28.7323, 40.5644



36.6034, 28.7323, 35.5577

Square

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



20.0718, 28.7323, 40.5644



30.3818, 28.7323, 60.2069



36.1056, 28.7323, 23.5404



24.4511, 28.7323, 13.5249

Rectangle

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



20.0718, 28.7323, 40.5644



24.5420, 28.7323, 60.3647



36.1056, 28.7323, 23.5404



30.2769, 28.7323, 13.4667

Sweetspot

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



20.0727, 28.7334, 40.5651



50.9779, 60.9703, 74.5569



14.0450, 27.4673, 5.2938



11.0992, 13.4688, 16.6669



80.6108, 84.8088, 92.3568



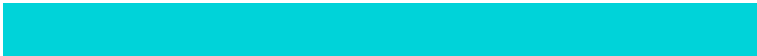
14.7206, 15.4872, 16.8656

Same Dimension

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



20.0727, 28.7334, 40.5651



35.7497, 51.5125, 73.5340



10.8130, 10.2141, 37.4785



7.7298, 8.4965, 9.6509



15.2919, 22.0441, 31.4245



0.3773, 0.5468, 0.7663

Inverse Universe

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



22.4811, 11.1821, 35.1571



40.2805, 19.4092, 63.1551



19.9323, 16.3311, 2.7185



7.8330, 7.6630, 9.4376



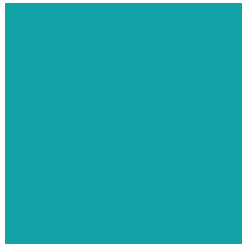
17.2193, 8.2964, 27.0299



0.4216, 0.2029, 0.6716

Previews

White Background



This preview shows how the XYZ color 20.0718, 28.7323, 40.5644 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 20.0718, 28.7323, 40.5644 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

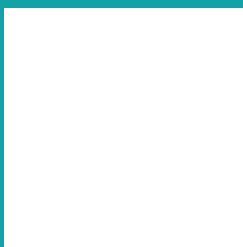
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0718, 28.7323, 40.5644

Background



This preview shows how black text looks on a background with the XYZ color 20.0718, 28.7323, 40.5644.

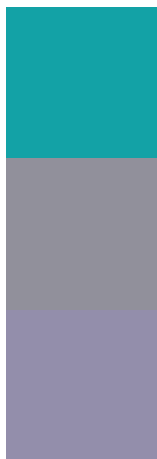


This preview shows how white text looks on a background with the XYZ color 20.0718, 28.7323,

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

20.0718, 28.7323, 40.5644

Protanopia

27.5667, 28.3328, 35.0262

Deuteranopia

29.0563, 28.4893, 42.4956



Tritanopia

20.9499, 28.8370, 44.5063

Trichromacy



Original Color

20.0718, 28.7323, 40.5644

Protanomaly

22.4702, 27.2891, 36.8839

Deuteranomaly

23.1644, 27.0688, 41.5400

Tritanomaly

20.5475, 28.6630, 42.9776

Monochromacy



Original Color

20.0718, 28.7323, 40.5644

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.7466, 20.9731, 26.8325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0718, 28.7323, 40.5644 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(19, 162, 166)` looks like.

```
.text, #text, p{  
    color:rgb(19, 162, 166)  
}
```

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(19, 162, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 162, 166) }
```

Border

The CSS property to change the border of an element to XYZ 20.0718, 28.7323, 40.5644 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(19, 162, 166) }
```


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

```
.border{ border-color:rgb(19, 162, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 162, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 162, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 162, 166);  
box-shadow:4px 4px 4px 4px rgb(19, 162,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0718, 28.7323, 40.5644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 162, 166) }
```

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

```
.background{ background-color: rgb(19, 162,  
166) }
```

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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