

Converting Colors

XYZ(20.6717, 30.1055, 40.7991)

Have a look what the booklet for
XYZ(20.6717, 30.1055, 40.7991)
contains.

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Color

**XYZ(20.6708, 30.1038,
40.7975)**

Conversions

Conversions Part 1

Format	Color
Hex	0CA6A6
RGB	12, 166, 166
RGB Percent	5%, 65%, 65%
CMY	0.9528, 0.3490, 0.3490
CMYK	0.93, 0.00, 0.00, 0.35
HSL	180°, 86%, 35%
HSV	180°, 93%, 65%
XYZ	20.6708, 30.1038, 40.7975
YIQ	119.9540, -91.7840, -32.6480

Conversions

Conversions Part 2

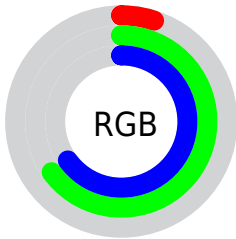
Format	Color
RYB	12, 89, 166
Decimal	829094
CIELab	61.74, -34.42, -10.14
CIELCh	62, 35.882, 196.422
Yxy	30.1038, 0.2257, 0.3287
Android (android.graphics.Color)	4279019174 (0xFF0CA6A6)
YUV	119.9540, 22.7007, -94.6757
Hunter-Lab	54.8669, -28.7683, -5.6795

Details

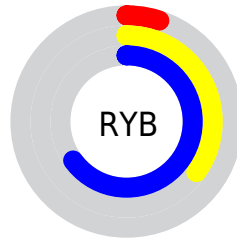
The XYZ color **20.6708, 30.1038, 40.7975** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.9248, 8.3975, 1.1303**, and the grayscale version is **17.7917, 18.7182, 20.3842**.

A 20% lighter version of the original color is **44.1022, 60.0044, 77.6642**, and **8.9424, 13.0252, 17.9624** is the 20% darker color. If you saturate the color by 10%, you get **20.5197, 30.0266, 40.7911**, and if you desaturate by 10%, it is **21.0160, 30.2824, 40.8144**.

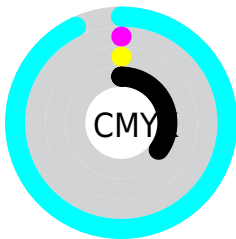
Distribution



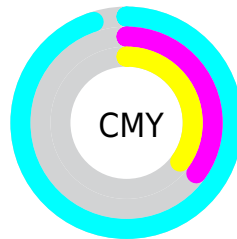
- Red (5%)
- Green (65%)
- Blue (65%)



- Red (5%)
- Yellow (35%)
- Blue (65%)



- Cyan (93%)
- Magenta (0%)
- Yellow (0%)
- Black (35%)



- Cyan (95%)
- Magenta (35%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6708, 30.1038, 40.7975 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 20.6708, 30.1038, 40.7975 by changing the saturation by 10% instead.

■ 20.6708, 30.1038,
40.7975

■ 20.6708, 30.1038,
40.7975

■ 248.2887,
302.3880, 365.1251

■ 12.9947, 19.9174,
27.8424

■ 44.0344, 59.8263,
77.6267

■ 7.5018, 12.3350,
17.9689

■ 60.4526, 80.1312,
102.3379

■ 3.8270, 6.9723,
10.7584

■ 80.5156, 104.5776,
131.8049

■ 1.6047, 3.4448,
5.7925

■ 104.5886,
133.5501, 166.4461

■ 0.3955, 1.3681,
2.6526

■ 133.0371,
167.4330, 206.6802

■ 0.0000, 0.1930,
0.9194

■ 166.2263,

■ 0.0000, 0.0000,

206.6107, 252.9258

0.0000

204.5218,
251.4675, 305.6012

■ 20.6708, 30.1038,
40.7975

■ 20.6708, 30.1038,
40.7975

■ 20.5197, 30.0266,
40.7911

■ 21.0160, 30.2824,
40.8144

■ 21.6120, 30.5897,
40.8424

■ 22.4956, 31.0452,
40.8838

■ 23.6969, 31.6645,
40.9401

■ 25.2421, 32.4610,
41.0125

■ 27.1548, 33.4471,
41.1021

■ 29.4565, 34.6336,
41.2099

■ 32.1669, 36.0309,
41.3368

■ 35.3046, 37.6484,
41.4837

Harmonies

Analogous

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



20.5759, 30.1038, 26.9783



20.6708, 30.1038, 40.7975



22.7329, 30.1038, 55.7852

Triad

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



20.6708, 30.1038, 40.7975



35.8013, 30.1038, 54.4783



30.8253, 30.1038, 13.2708

Complementary

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



20.6708, 30.1038, 40.7975



15.9248, 8.3975, 1.1303

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.



35.4280, 30.1038, 17.1671



20.6708, 30.1038, 40.7975



38.5096, 30.1038, 39.3543

Square

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



20.6708, 30.1038, 40.7975



31.2908, 30.1038, 65.0662



38.3658, 30.1038, 25.8848



26.0921, 30.1038, 13.4567

Rectangle

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



20.6708, 30.1038, 40.7975



25.0915, 30.1038, 63.3076



38.3658, 30.1038, 25.8848



32.4490, 30.1038, 14.0870

Sweetspot

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



20.6717, 30.1049, 40.7982



50.9622, 61.5676, 74.6726



13.8937, 27.3981, 4.9048



11.0338, 13.5866, 16.6930



80.6108, 84.8088, 92.3568



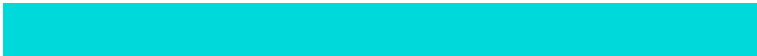
14.7206, 15.4872, 16.8656

Same Dimension

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



20.6717, 30.1049, 40.7982



37.2401, 54.4936, 74.0295



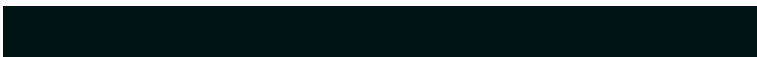
10.8262, 10.4136, 37.5170



7.7476, 8.5321, 9.6568



15.9115, 23.2834, 31.6304



0.3871, 0.5665, 0.7696

Inverse Universe

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



15.9248, 8.3975, 1.1303



28.5410, 14.7134, 1.3358



19.1567, 14.8614, 2.2076



7.5311, 7.5423, 7.8482



12.1947, 6.2866, 0.5707



0.2967, 0.1530, 0.0139

Previews

White Background



This preview shows how the XYZ color 20.6708, 30.1038, 40.7975 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 20.6708, 30.1038, 40.7975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

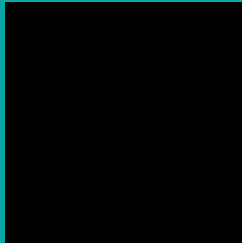
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.6708, 30.1038, 40.7975

Background



This preview shows how black text looks on a background with the XYZ color 20.6708, 30.1038, 40.7975.

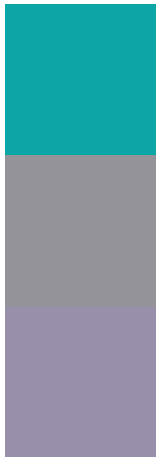


This preview shows how white text looks on a background with the XYZ color 20.6708, 30.1038,

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

20.6708, 30.1038, 40.7975

Protanopia

28.6609, 29.5901, 34.7727

Deuteranopia

30.2728, 29.5622, 42.6386



Tritanopia

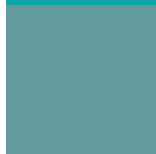
21.9070, 30.0723, 46.7694

Trichromacy



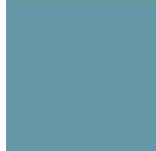
Original Color

20.6708, 30.1038, 40.7975



Protanomaly

22.8727, 28.2325, 36.5916



Deuteranomaly

23.7565, 28.0877, 41.7055



Tritanomaly

21.4960, 30.1729, 44.7354

Monochromacy



Original Color

20.6708, 30.1038, 40.7975



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

16.8544, 21.4468, 26.9182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6708, 30.1038, 40.7975 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, 166, 166)` looks like.

```
.text, #text, p{  
    color:rgb(12, 166, 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(12, 166, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 166, 166) }
```

Border

The CSS property to change the border of an element to XYZ 20.6708, 30.1038, 40.7975 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, 166, 166) }
```


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

```
.border{ border-color:rgb(12, 166, 166) }
```

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

Here you see how a box with a 4 pixel rgb(12, 166, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 166, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 166, 166);  
box-shadow:4px 4px 4px 4px rgb(12, 166,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6708, 30.1038, 40.7975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 166, 166) }
```

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

```
.background{ background-color: rgb(12, 166,  
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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