

Converting Colors

XYZ(20.9062, 27.5084, 51.0248)

Have a look what the booklet for
XYZ(20.9062, 27.5084, 51.0248)
contains.

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Color

**XYZ(20.8706, 27.3712,
51.1969)**

Conversions

Conversions Part 1

Format	Color
Hex	019CBB
RGB	1, 156, 187
RGB Percent	0%, 61%, 73%
CMY	0.9959, 0.3882, 0.2667
CMYK	0.99, 0.17, 0.00, 0.27
HSL	190°, 99%, 37%
HSV	190°, 99%, 73%
XYZ	20.8706, 27.3712, 51.1969
YIQ	113.1890, -102.3310, -23.2190

Conversions

Conversions Part 2

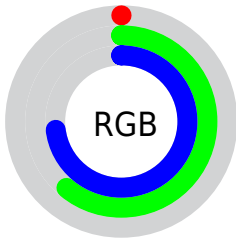
Format	Color
R_{YB}	1, 86, 187
Decimal	105659
CIE _{Lab}	59.32, -22.99, -25.67
CIE _{LCh}	59, 34.457, 228.148
Yxy	27.3712, 0.2099, 0.2753
Android (android.graphics.Color)	4278295739 (0xFF019CBB)
YUV	113.1890, 36.3888, -98.3898
Hunter-Lab	52.3175, -20.3480, -21.3978

Details

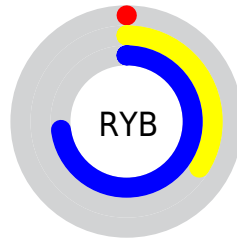
The XYZ color **20.8706, 27.3712, 51.1969** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **21.0169, 11.6022, 1.1615**, and the grayscale version is **15.6728, 16.4890, 17.9565**.

A 20% lighter version of the original color is **44.4017, 55.6010, 93.1859**, and **9.2534, 11.6219, 24.3098** is the 20% darker color. If you saturate the color by 10%, you get **20.8295, 27.3075, 51.1873**, and if you desaturate by 10%, it is **21.6716, 28.5711, 51.3868**.

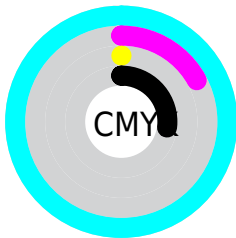
Distribution



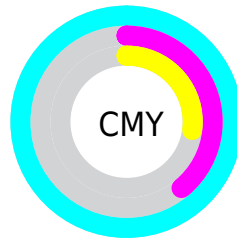
- Red (0%)
- Green (61%)
- Blue (73%)



- Red (0%)
- Yellow (34%)
- Blue (73%)



- Cyan (99%)
- Magenta (17%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (39%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8706, 27.3712, 51.1969 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 20.8706, 27.3712, 51.1969 by changing the saturation by 10% instead.

■ 20.8706, 27.3712,
51.1969

■ 20.8706, 27.3712,
51.1969

■ 249.3348,
289.4499, 408.1967

■ 13.1414, 17.8522,
35.9875

■ 44.3650, 55.4790,
93.3602

■ 7.6036, 10.8439,
24.1349

■ 60.8608, 74.8365,
121.1513

■ 3.8920, 5.9620,
15.2206

■ 81.0096, 98.2423,
153.9733

■ 1.6412, 2.8220,
8.8260

■ 105.1767,
126.0809, 192.2448

■ 0.4191, 1.0395,
4.5326

■ 133.7274,
158.7365, 236.3843

■ 0.0000, 0.0000,
1.9219

■ 167.0270,

■ 0.0000, 0.0000,

196.5936, 286.8105

0.5066

205.4410,
240.0367, 343.9417

■ 0.0000, 0.0000,
0.0000

■ 20.8706, 27.3712,
51.1969

■ 20.8706, 27.3712,
51.1969

■ 20.8295, 27.3075,
51.1873

■ 21.6716, 28.5711,
51.3868

■ 22.7473, 29.9323,
51.5929

■ 24.1839, 31.4998,
51.8197

■ 26.0270, 33.2971,
52.0695

■ 28.3154, 35.3445,
52.3441

■ 31.0831, 37.6597,
52.6451

■ 34.3608, 40.2585,
52.9739

■ 38.1767, 43.1558,
53.3320

■ 42.5568, 46.3649,
53.7206

Harmonies

Analogous

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



18.9110, 27.3712, 37.8195



20.8706, 27.3712, 51.1969



24.3509, 27.3712, 59.5727

Triad

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



20.8706, 27.3712, 51.1969



34.9940, 27.3712, 34.9457



23.5197, 27.3712, 12.4651

Complementary

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



20.8706, 27.3712, 51.1969



21.0169, 11.6022, 1.1615

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.



27.7543, 27.3712, 12.0918



20.8706, 27.3712, 51.1969



34.7079, 27.3712, 23.0071

Square

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



20.8706, 27.3712, 51.1969



32.6865, 27.3712, 48.5996



31.9432, 27.3712, 15.3938



20.3201, 27.3712, 16.6105

Rectangle

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



20.8706, 27.3712, 51.1969



27.2073, 27.3712, 59.9963



31.9432, 27.3712, 15.3938



24.8590, 27.3712, 11.9464

Sweetspot

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



20.8715, 27.3722, 51.1976



60.8850, 71.5937, 94.8114



18.0447, 35.6522, 7.2992



12.8442, 15.3230, 20.8232



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



20.8715, 27.3722, 51.1976



37.1542, 48.6051, 91.6249



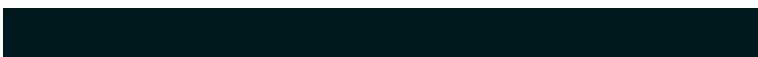
10.7616, 7.1524, 47.8276



9.6696, 10.5314, 12.1953



14.3970, 18.9057, 35.2833



0.6005, 0.8136, 1.3943

Inverse Universe

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



26.5059, 12.9878, 32.5632



47.3489, 23.1795, 57.7739



27.8347, 25.2377, 3.4341



9.8598, 9.6682, 11.6508



18.2677, 8.9382, 22.5011



0.7340, 0.3575, 0.9785

Previews

White Background



This preview shows how the XYZ color 20.8706, 27.3712, 51.1969 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 20.8706, 27.3712, 51.1969 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 20.8706, 27.3712, 51.1969

Background



This preview shows how black text looks on a background with the XYZ color 20.8706, 27.3712, 51.1969.

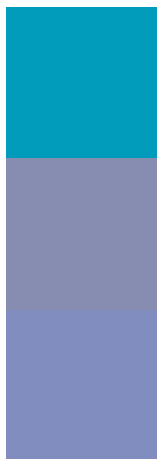


This preview shows how white text looks on a background with the XYZ color 20.8706, 27.3712,

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

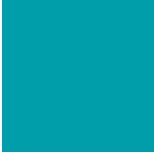
20.8706, 27.3712, 51.1969

Protanopia

27.1929, 27.2527, 44.9014

Deuteranopia

27.8353, 27.1849, 53.0703



Tritanopia

19.4826, 27.3560, 42.2836

Trichromacy



Original Color

20.8706, 27.3712, 51.1969

Protanomaly

22.3549, 25.8315, 46.9878

Deuteranomaly

23.0528, 26.0693, 52.5321

Tritanomaly

19.8934, 27.2485, 45.2853

Monochromacy



Original Color

20.8706, 27.3712, 51.1969

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.2564, 18.9717, 27.6687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8706, 27.3712, 51.1969 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(1, 156, 187)` looks like.

```
.text, #text, p{  
    color:rgb(1, 156, 187)  
}
```

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(1, 156, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 156, 187) }
```

Border

The CSS property to change the border of an element to XYZ 20.8706, 27.3712, 51.1969 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(1, 156, 187) }
```


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

```
.border{ border-color:rgb(1, 156, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 156, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 156, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 156, 187);  
box-shadow:4px 4px 4px 4px rgb(1, 156,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8706, 27.3712, 51.1969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 156, 187) }
```

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

```
.background{ background-color: rgb(1, 156,  
187) }
```

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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