

Converting Colors

XYZ(18.1188, 27.2712, 46.2758)

Have a look what the booklet for
XYZ(18.1188, 27.2712, 46.2758)
contains.

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Color

**XYZ(20.7808, 28.7041,
46.5647)**

Conversions

Conversions Part 1

Format	Color
Hex	00A1B2
RGB	0, 161, 178
RGB Percent	0%, 63%, 70%
CMY	0.9999, 0.3686, 0.3020
CMYK	1.00, 0.10, 0.00, 0.30
HSL	186°, 100%, 35%
HSV	186°, 100%, 70%
XYZ	20.7808, 28.7041, 46.5647
YIQ	114.7990, -101.4130, -28.8450

Conversions

Conversions Part 2

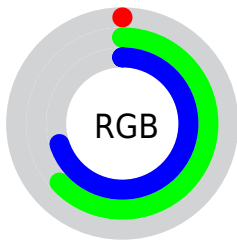
Format	Color
RYB	0, 85, 178
Decimal	41394
CIELab	60.52, -28.61, -18.75
CIElCh	61, 34.208, 213.242
Yxy	28.7041, 0.2164, 0.2988
Android (android.graphics.Color)	4278231474 (0xFF00A1B2)
YUV	114.7990, 31.1581, -100.6787
Hunter-Lab	53.5762, -24.5229, -14.0274

Details

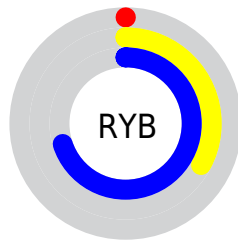
The XYZ color **20.7808, 28.7041, 46.5647** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.5616, 9.8672, 0.9274**, and the grayscale version is **16.1693, 17.0114, 18.5254**.

A 20% lighter version of the original color is **44.2310, 57.5390, 86.6168**, and **9.1703, 12.4179, 21.3156** is the 20% darker color. If you saturate the color by 10%, you get **20.7806, 28.7036, 46.5652**, and if you desaturate by 10%, it is **21.3269, 29.4303, 46.6766**.

Distribution



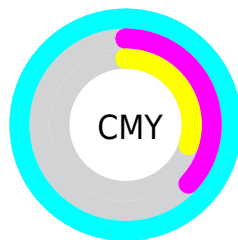
- Red (0%)
- Green (63%)
- Blue (70%)



- Red (0%)
- Yellow (33%)
- Blue (70%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (30%)



- Cyan (100%)
- Magenta (37%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7808, 28.7041, 46.5647 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 20.7808, 28.7041, 46.5647 by changing the saturation by 10% instead.

■ 20.7808, 28.7041,
46.5647

■ 20.7808, 28.7041,
46.5647

■ 248.8651,
295.8163, 389.4176

■ 13.0754, 18.8571,
32.3398

■ 44.2165, 57.6066,
86.4067

■ 7.5579, 11.5671,
21.3542

■ 60.6775, 77.4309,
112.8608

■ 3.8628, 6.4496,
13.1894

■ 80.7877, 101.3498,
144.2284

■ 1.6248, 3.1204,
7.4268

■ 104.9126,
129.7476, 180.9280

■ 0.4085, 1.1949,
3.6480

■ 133.4174,
163.0088, 223.3782

■ 0.0000, 0.0575,
1.4343

■ 166.6675,

■ 0.0000, 0.0000,

201.5177, 271.9975

0.1682

205.0283,
245.6587, 327.2045

■ 0.0000, 0.0000,
0.0000

■ 20.7808, 28.7041,
46.5647

■ 20.7808, 28.7041,
46.5647

■ 20.7806, 28.7036,
46.5652

■ 21.3269, 29.4303,
46.6766

■ 22.0986, 30.2783,
46.7996

■ 23.1823, 31.2931,
46.9384

■ 24.6184, 32.4957,
47.0948

■ 26.4413, 33.9038,
47.2705

■ 28.6815, 35.5331,
47.4670

■ 31.3660, 37.3976,
47.6854

■ 34.5199, 39.5102,
47.9269

■ 38.1662, 41.8829,
48.1927

Harmonies

Analogous

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



19.6546, 28.7041, 32.6492



20.7808, 28.7041, 46.5647



23.6363, 28.7041, 58.3753

Triad

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



20.7808, 28.7041, 46.5647



35.5857, 28.7041, 43.5266



26.8051, 28.7041, 12.7229

Complementary

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



20.7808, 28.7041, 46.5647



18.5616, 9.8672, 0.9274

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.



31.2854, 28.7041, 14.1841



20.7808, 28.7041, 46.5647



36.6654, 28.7041, 29.8989

Square

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



20.7808, 28.7041, 46.5647



32.2053, 28.7041, 56.3147



35.0156, 28.7041, 19.7315



22.8886, 28.7041, 15.0117

Rectangle

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



20.7808, 28.7041, 46.5647



26.2957, 28.7041, 62.1458



35.0156, 28.7041, 19.7315



28.2935, 28.7041, 12.7944

Sweetspot

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



20.7817, 28.7051, 46.5654



56.5950, 67.6232, 86.4509



16.0064, 31.8756, 5.7560



12.0707, 14.6600, 19.1157



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.7817, 28.7051, 46.5654



37.5907, 51.8653, 84.4109



10.4979, 8.1375, 43.1375



8.6719, 9.4900, 10.8810



14.8937, 20.5877, 33.3258



0.4886, 0.6877, 1.0552

Inverse Universe

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



24.7940, 12.0392, 34.7362



44.9134, 21.8116, 62.7403



23.2958, 19.3356, 2.5054



8.8143, 8.6325, 10.5207



17.7523, 8.6185, 24.9192



0.5686, 0.2752, 0.8371

Previews

White Background



This preview shows how the XYZ color 20.7808, 28.7041, 46.5647 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 20.7808, 28.7041, 46.5647 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

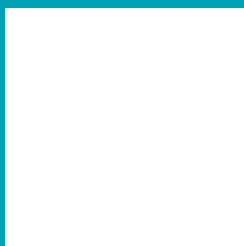
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.7808, 28.7041, 46.5647

Background



This preview shows how black text looks on a background with the XYZ color 20.7808, 28.7041, 46.5647.

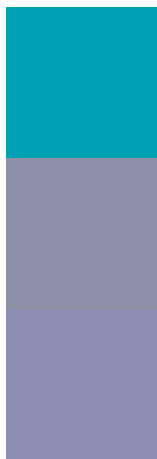


This preview shows how white text looks on a background with the XYZ color 20.7808, 28.7041,

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

20.7808, 28.7041, 46.5647

Protanopia

27.9328, 28.3993, 40.5686

Deuteranopia

28.9317, 28.2989, 48.1933



Tritanopia

20.3849, 28.5457, 44.4799

Trichromacy



Original Color

20.7808, 28.7041, 46.5647

Protanomaly

22.4735, 26.9266, 42.5410

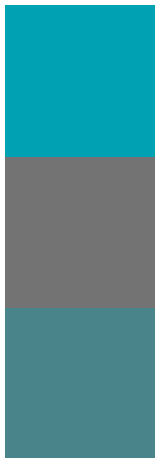
Deuteranomaly

23.2078, 26.9549, 47.6957

Tritanomaly

20.4827, 28.5849, 44.9953

Monochromacy



Original Color

20.7808, 28.7041, 46.5647

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.5864, 19.7540, 27.0362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7808, 28.7041, 46.5647 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, 161, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 178)  
}
```

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, 161, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 178) }
```

Border

The CSS property to change the border of an element to XYZ 20.7808, 28.7041, 46.5647 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, 161, 178) }
```


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

```
.border{ border-color:rgb(0, 161, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 161, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7808, 28.7041, 46.5647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 178) }
```

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

```
.background{ background-color: rgb(0, 161,  
178) }
```

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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