

Converting Colors

XYZ(19.2248, 28.2396, 42.5523)

Have a look what the booklet for
XYZ(19.2248, 28.2396, 42.5523)
contains.

XYZ(20.1760, 28.7429, 42.5148)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.1760, 28.7429,
42.5148)**

Conversions

Conversions Part 1

Format	Color
Hex	00A2AA
RGB	0, 162, 170
RGB Percent	0%, 64%, 67%
CMY	0.9999, 0.3647, 0.3333
CMYK	1.00, 0.05, 0.00, 0.33
HSL	183°, 100%, 33%
HSV	183°, 100%, 67%
XYZ	20.1760, 28.7429, 42.5148
YIQ	114.4740, -99.1200, -31.8560

Conversions

Conversions Part 2

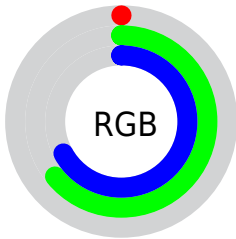
Format	Color
RYB	0, 83, 170
Decimal	41642
CIELab	60.55, -31.71, -14.19
CIELCh	61, 34.740, 204.110
Yxy	28.7429, 0.2207, 0.3144
Android (android.graphics.Color)	4278231722 (0xFF00A2AA)
YUV	114.4740, 27.3743, -100.3937
Hunter-Lab	53.6124, -26.6467, -9.4885

Details

The XYZ color **20.1760, 28.7429, 42.5148** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.6651, 8.7205, 0.8057**, and the grayscale version is **16.0811, 16.9186, 18.4244**.

A 20% lighter version of the original color is **43.1228, 57.4948, 80.0590**, and **8.8459, 12.4599, 19.0783** is the 20% darker color. If you saturate the color by 10%, you get **20.1763, 28.7433, 42.5154**, and if you desaturate by 10%, it is **20.5496, 29.1460, 42.5735**.

Distribution



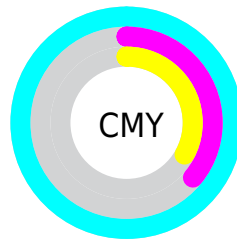
- Red (0%)
- Green (64%)
- Blue (67%)



- Red (0%)
- Yellow (33%)
- Blue (67%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (36%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1760, 28.7429, 42.5148 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 20.1760, 28.7429, 42.5148 by changing the saturation by 10% instead.

■ 20.1760, 28.7429,
42.5148

■ 20.1760, 28.7429,
42.5148

■ 245.6818,
296.0000, 372.4750

■ 12.6321, 18.8864,
29.1760

■ 43.2138, 57.6684,
80.2566

■ 7.2509, 11.5882,
18.9673

■ 59.4383, 77.5061,
105.4968

■ 3.6672, 6.4640,
11.4701

■ 79.2870, 101.4397,
135.5412

■ 1.5157, 3.1292,
6.2658

■ 103.1254,
129.8537, 170.8083

■ 0.3364, 1.1996,
2.9360

■ 131.3187,
163.1322, 211.7167

■ 0.0000, 0.0613,
1.0620

■ 164.2323,

■ 0.0000, 0.0000,

201.6599, 258.6849

0.0000

202.2315,
245.8210, 312.1315

■ 20.1760, 28.7429,
42.5148

■ 20.1760, 28.7429,
42.5148

■ 20.1763, 28.7433,
42.5154

■ 20.5496, 29.1460,
42.5735

■ 21.1209, 29.6517,
42.6410

■ 21.9701, 30.3020,
42.7217

■ 23.1334, 31.1157,
42.8175

■ 24.6415, 32.1083,
42.9296

■ 26.5212, 33.2939,
43.0593

■ 28.7970, 34.6851,
43.2079

■ 31.4911, 36.2932,
43.3763

■ 34.6240, 38.1289,
43.5655

Harmonies

Analogous

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



19.6037, 28.7429, 28.8281



20.1760, 28.7429, 42.5148



22.5667, 28.7429, 55.8885

Triad

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



20.1760, 28.7429, 42.5148



34.9229, 28.7429, 48.1331



28.2143, 28.7429, 12.5890

Complementary

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



20.1760, 28.7429, 42.5148



16.6651, 8.7205, 0.8057

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.



32.6962, 28.7429, 15.2416



20.1760, 28.7429, 42.5148



36.8325, 28.7429, 33.9011

Square

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



20.1760, 28.7429, 42.5148



30.9977, 28.7429, 59.7048



35.9762, 28.7429, 22.2481



23.9440, 28.7429, 13.7252

Rectangle

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



20.1760, 28.7429, 42.5148



25.0243, 28.7429, 61.5878



35.9762, 28.7429, 22.2481



29.7505, 28.7429, 13.0376

Sweetspot

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



20.1769, 28.7440, 42.5155



51.9970, 62.7796, 78.3790



14.4065, 28.7626, 4.9560



11.2022, 13.7612, 17.4534



82.5889, 86.8899, 94.6231



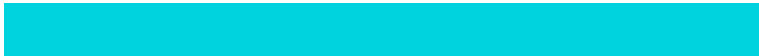
15.4596, 16.2647, 17.7123

Same Dimension

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



20.1769, 28.7440, 42.5155



36.5609, 52.0582, 77.1232



10.0774, 8.5450, 39.1490



7.7169, 8.4706, 9.6466



14.8534, 21.1669, 31.2783



0.3702, 0.5327, 0.7640

Inverse Universe

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



23.0999, 11.1555, 35.1192



41.8876, 20.2296, 63.5946



20.2918, 15.9740, 2.0146



7.8264, 7.6604, 9.4032



16.9979, 8.2079, 25.8642



0.4180, 0.2015, 0.6528

Previews

White Background



This preview shows how the XYZ color 20.1760, 28.7429, 42.5148 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 20.1760, 28.7429, 42.5148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

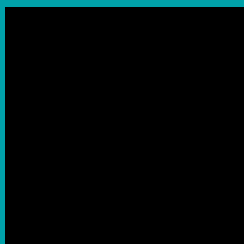
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

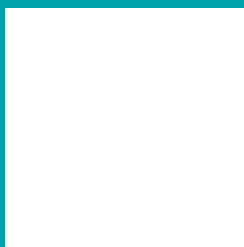
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1760, 28.7429, 42.5148

Background



This preview shows how black text looks on a background with the XYZ color 20.1760, 28.7429, 42.5148.

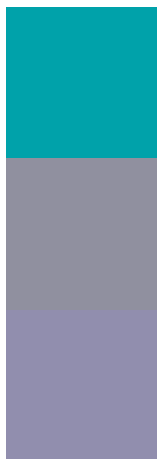


This preview shows how white text looks on a background with the XYZ color 20.1760, 28.7429,

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

20.1760, 28.7429, 42.5148

Protanopia

27.7329, 28.3790, 36.8169

Deuteranopia

28.9900, 28.4217, 44.0024



Tritanopia

20.6534, 28.6842, 44.4925

Trichromacy



Original Color

20.1760, 28.7429, 42.5148



Protanomaly

22.0911, 27.0529, 38.7077



Deuteranomaly

22.7039, 26.7873, 43.5090



Tritanomaly

20.4393, 28.5850, 43.9754

Monochromacy



Original Color

20.1760, 28.7429, 42.5148



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

15.1670, 19.3703, 25.4937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1760, 28.7429, 42.5148 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, 162, 170)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 170)  
}
```

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, 162, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 170) }
```

Border

The CSS property to change the border of an element to XYZ 20.1760, 28.7429, 42.5148 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, 162, 170) }
```


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

```
.border{ border-color:rgb(0, 162, 170) }
```

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

Here you see how a box with a 4 pixel rgb(0, 162, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 170);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1760, 28.7429, 42.5148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 170) }
```

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

```
.background{ background-color: rgb(0, 162,  
170) }
```

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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