

Converting Colors

XYZ(15.3188, 29.8153, 40.5413)

Have a look what the booklet for
XYZ(15.3188, 29.8153, 40.5413)
contains.

XYZ(22.1215, 33.3766, 40.8737)	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(22.1215, 33.3766,
40.8737)**

Conversions

Conversions Part 1

Format	Color
Hex	00AFA5
RGB	0, 175, 165
RGB Percent	0%, 69%, 65%
CMY	0.9999, 0.3137, 0.3529
CMYK	1.00, 0.00, 0.06, 0.31
HSL	177°, 100%, 34%
HSV	177°, 100%, 69%
XYZ	22.1215, 33.3766, 40.8737
YIQ	121.5350, -101.0900, -40.2100

Conversions

Conversions Part 2

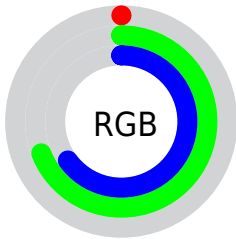
Format	Color
RYB	0, 90, 175
Decimal	44965
CIELab	64.46, -39.27, -5.54
CIELCh	64, 39.661, 188.034
Yxy	33.3766, 0.2295, 0.3463
Android (android.graphics.Color)	4278235045 (0xFF00AFA5)
YUV	121.5350, 21.4282, -106.5862
Hunter-Lab	57.7725, -32.7529, -1.5066

Details

The XYZ color **22.1215, 33.3766, 40.8737** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.7350, 9.1368, 1.1168**, and the grayscale version is **18.3063, 19.2597, 20.9738**.

A 20% lighter version of the original color is **46.3181, 64.8059, 77.7777**, and **9.9402, 15.1113, 18.0157** is the 20% darker color. If you saturate the color by 10%, you get **22.1220, 33.3776, 40.8738**, and if you desaturate by 10%, it is **22.4543, 33.5383, 41.3672**.

Distribution



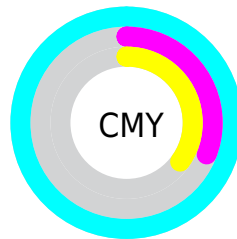
- Red (0%)
- Green (69%)
- Blue (65%)



- Red (0%)
- Yellow (35%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1215, 33.3766, 40.8737 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 22.1215, 33.3766, 40.8737 by changing the saturation by 10% instead.


 22.1215, 33.3766,
40.8737


 22.1215, 33.3766,
40.8737


255.8006,
317.3433, 365.4535


 14.0633, 22.4151,
27.9015


 46.4241, 64.9630,
77.7437


 8.2467, 14.1622,
18.0130


 63.3992, 86.3568,
102.4786

 4.3063, 8.2336,
10.7898


 84.0773, 111.9967,
131.9714

 1.8769, 4.2448,
5.8133

 108.8238,
142.2673, 166.6406

 0.5633, 1.8114,
2.6649

 138.0040,
177.5528, 206.9050

 0.0000, 0.4943,
0.9257

 171.9833,

 0.0000, 0.0000,

218.2377, 253.1828

0.0000

211.1270,
264.7064, 305.8928

■ 22.1215, 33.3766,
40.8737

■ 22.1215, 33.3766,
40.8737

■ 22.1220, 33.3776,
40.8738

■ 22.4543, 33.5383,
41.3672

■ 22.9998, 33.8089,
41.8737

■ 23.8421, 34.2324,
42.3977

■ 25.0199, 34.8288,
42.9413

■ 26.5664, 35.6151,
43.5058

■ 28.5105, 36.6064,
44.0927

■ 30.8783, 37.8160,
44.7032

■ 33.6937, 39.2562,
45.3384

■ 36.9789, 40.9386,
45.9994

Harmonies

Analogous

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



22.6631, 33.3766, 25.8851



22.1215, 33.3766, 40.8737



23.9005, 33.3766, 59.1257

Triad

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



22.1215, 33.3766, 40.8737



38.9122, 33.3766, 66.8333



35.9709, 33.3766, 14.4226

Complementary

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



22.1215, 33.3766, 40.8737



17.7350, 9.1368, 1.1168

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.



41.0906, 33.3766, 20.3220



22.1215, 33.3766, 40.8737



42.9245, 33.3766, 49.2912

Square

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



22.1215, 33.3766, 40.8737



33.2688, 33.3766, 76.7638



43.7657, 33.3766, 32.1573



30.2267, 33.3766, 13.3914

Rectangle

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



22.1215, 33.3766, 40.8737



26.3036, 33.3766, 69.7142



43.7657, 33.3766, 32.1573



37.8409, 33.3766, 15.7943

Sweetspot

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



22.1225, 33.3779, 40.8745



55.0539, 67.5988, 79.9995



15.4780, 30.7370, 5.1178



11.8297, 14.8168, 17.6794



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



22.1225, 33.3779, 40.8745



39.5902, 59.7647, 73.0525



12.2173, 12.0532, 42.2414



8.2163, 9.0641, 10.1638



15.8496, 23.9051, 29.3111



0.4468, 0.6673, 0.8462

Inverse Universe

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



17.7350, 9.1368, 1.1168



31.7353, 16.3518, 1.8634



20.2540, 14.2625, 1.6862



8.0231, 8.0225, 8.4326



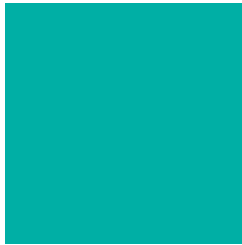
12.7078, 6.5457, 0.8406



0.3594, 0.1844, 0.0543

Previews

White Background



This preview shows how the XYZ color 22.1215, 33.3766, 40.8737 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 22.1215, 33.3766, 40.8737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

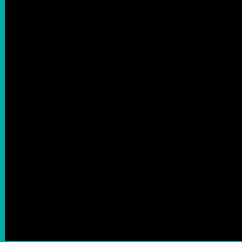
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.1215, 33.3766, 40.8737

Background



This preview shows how black text looks on a background with the XYZ color 22.1215, 33.3766, 40.8737.

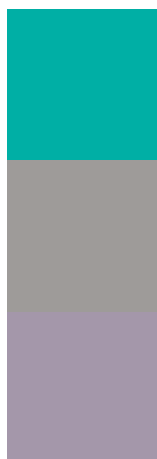


This preview shows how white text looks on a background with the XYZ color 22.1215, 33.3766,

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

22.1215, 33.3766, 40.8737

Protanopia

31.5717, 33.0117, 34.8449

Deuteranopia

33.6321, 32.9280, 42.6133



Tritanopia

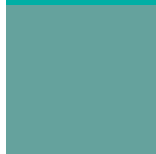
24.4905, 33.5013, 51.6300

Trichromacy



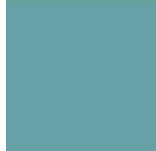
Original Color

22.1215, 33.3766, 40.8737



Protanomaly

24.3730, 31.0417, 36.6053



Deuteranomaly

25.3476, 30.9118, 41.6764



Tritanomaly

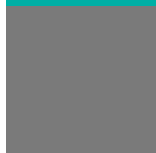
23.3804, 33.3082, 47.3163

Monochromacy



Original Color

22.1215, 33.3766, 40.8737



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

17.2542, 22.5044, 27.4792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1215, 33.3766, 40.8737 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, 175, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 165)  
}
```

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, 175, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 165) }
```

Border

The CSS property to change the border of an element to XYZ 22.1215, 33.3766, 40.8737 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, 175, 165) }
```


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

```
.border{ border-color:rgb(0, 175, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 175, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 165);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1215, 33.3766, 40.8737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 165) }
```

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

```
.background{ background-color: rgb(0, 175,  
165) }
```

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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