

Converting Colors

XYZ(17.3871, 29.3307, 35.3079)

Have a look what the booklet for
XYZ(17.3871, 29.3307, 35.3079)
contains.

XYZ(20.0207, 30.7090, 35.4441)	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(20.0207, 30.7090,
35.4441)**

Conversions

Conversions Part 1

Format	Color
Hex	00A99A
RGB	0, 169, 154
RGB Percent	0%, 66%, 60%
CMY	0.9999, 0.3372, 0.3961
CMYK	1.00, 0.00, 0.09, 0.34
HSL	175°, 100%, 33%
HSV	175°, 100%, 66%
XYZ	20.0207, 30.7090, 35.4441
YIQ	116.7590, -95.9090, -40.4930

Conversions

Conversions Part 2

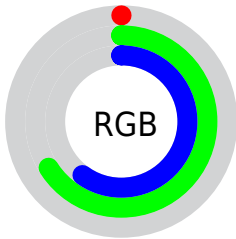
Format	Color
RYB	0, 88, 169
Decimal	43418
CIELab	62.26, -39.84, -2.65
CIELCh	62, 39.923, 183.803
Yxy	30.7090, 0.2323, 0.3564
Android (android.graphics.Color)	4278233498 (0xFF00A99A)
YUV	116.7590, 18.3598, -102.3976
Hunter-Lab	55.4157, -32.4886, 0.8689

Details

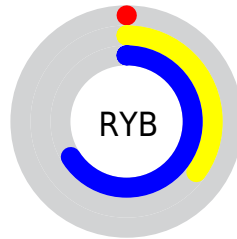
The XYZ color **20.0207, 30.7090, 35.4441** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.4494, 8.4704, 1.2209**, and the grayscale version is **16.8030, 17.6780, 19.2514**.

A 20% lighter version of the original color is **42.9265, 60.7842, 69.1446**, and **8.6936, 13.4701, 14.9737** is the 20% darker color. If you saturate the color by 10%, you get **20.0211, 30.7099, 35.4438**, and if you desaturate by 10%, it is **20.3769, 30.8788, 36.1179**.

Distribution



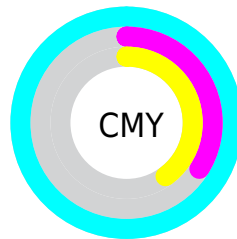
- Red (0%)
- Green (66%)
- Blue (60%)



- Red (0%)
- Yellow (35%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (34%)



- Cyan (100%)
- Magenta (34%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0207, 30.7090, 35.4441 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 20.0207, 30.7090, 35.4441 by changing the saturation by 10% instead.

■ 20.0207, 30.7090,
35.4441

■ 20.0207, 30.7090,
35.4441

■ 244.8586,
305.1954, 341.4879

■ 12.5184, 20.3774,
23.7189

■ 42.9556, 60.7816,
69.3325

■ 7.1725, 12.6696,
14.9150

■ 59.1189, 81.2914,
92.3328

■ 3.6175, 7.2015,
8.6138

■ 78.8999, 105.9627,
119.9286

■ 1.4881, 3.5884,
4.3968

■ 102.6641,
135.1799, 152.5383

■ 0.3177, 1.4461,
1.8454

■ 130.7766,
169.3273, 190.5806

■ 0.0000, 0.2503,
0.4577

■ 163.6030,

■ 0.0000, 0.0000,

208.7895, 234.4739

0.0000

201.5085,
253.9507, 284.6368

■ 20.0207, 30.7090,
35.4441

■ 20.0207, 30.7090,
35.4441

■ 20.0211, 30.7099,
35.4438

■ 20.3769, 30.8788,
36.1179

■ 20.9284, 31.1484,
36.8084

■ 21.7548, 31.5595,
37.5199

■ 22.8918, 32.1306,
38.2542

■ 24.3694, 32.8771,
39.0128

■ 26.2144, 33.8127,
39.7968

■ 28.4506, 34.9499,
40.6074

■ 31.1001, 36.3000,
41.4458

■ 34.1831, 37.8733,
42.3128

Harmonies

Analogous

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



20.8419, 30.7090, 21.9715



20.0207, 30.7090, 35.4441



21.3958, 30.7090, 52.8154

Triad

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



20.0207, 30.7090, 35.4441



35.3413, 30.7090, 64.6593



34.0061, 30.7090, 13.2506

Complementary

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



20.0207, 30.7090, 35.4441



16.4494, 8.4704, 1.2209

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.



38.6739, 30.7090, 19.4941



20.0207, 30.7090, 35.4441



39.5090, 30.7090, 48.3250

Square

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



20.0207, 30.7090, 35.4441



29.8807, 30.7090, 72.6536



40.7974, 30.7090, 31.5069



28.5061, 30.7090, 11.7054

Rectangle

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



20.0207, 30.7090, 35.4441



23.4857, 30.7090, 63.5613



40.7974, 30.7090, 31.5069



35.7458, 30.7090, 14.7496

Sweetspot

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



20.0216, 30.7102, 35.4448



50.7119, 62.4692, 72.6419



14.4184, 28.4954, 4.7410



10.6858, 13.4288, 15.7042



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.



20.0216, 30.7102, 35.4448



35.8155, 54.9820, 63.2652



11.8557, 12.2524, 39.2774



7.7184, 8.5204, 9.5032



14.9312, 22.8912, 26.4683



0.3713, 0.5602, 0.6864

Inverse Universe

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



16.4494, 8.4704, 1.2209



29.4253, 15.1553, 2.0117



18.4069, 12.5233, 1.4478



7.5572, 7.5527, 7.9852



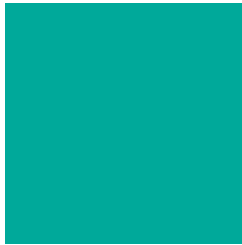
12.2681, 6.3160, 0.9577



0.3066, 0.1569, 0.0661

Previews

White Background



This preview shows how the XYZ color 20.0207, 30.7090, 35.4441 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 20.0207, 30.7090, 35.4441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

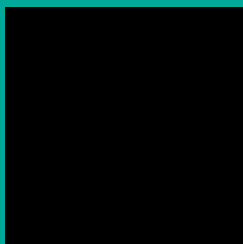
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

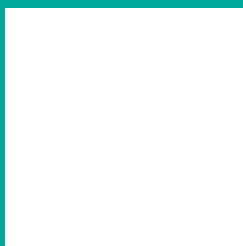
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0207, 30.7090, 35.4441

Background



This preview shows how black text looks on a background with the XYZ color 20.0207, 30.7090, 35.4441.

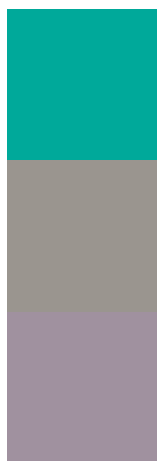


This preview shows how white text looks on a background with the XYZ color 20.0207, 30.7090,

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

20.0207, 30.7090, 35.4441

Protanopia

29.0318, 30.3481, 30.3142

Deuteranopia

30.8806, 30.2276, 37.0078



Tritanopia

22.5467, 30.6572, 47.3769

Trichromacy



Original Color

20.0207, 30.7090, 35.4441



Protanomaly

22.1919, 28.4802, 31.9314



Deuteranomaly

23.1209, 28.3703, 36.1557



Tritanomaly

21.3439, 30.4077, 42.7745

Monochromacy



Original Color

20.0207, 30.7090, 35.4441



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

15.6575, 20.6759, 24.2847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0207, 30.7090, 35.4441 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, 169, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 154)  
}
```

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, 169, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 154) }
```

Border

The CSS property to change the border of an element to XYZ 20.0207, 30.7090, 35.4441 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, 169, 154) }
```


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

```
.border{ border-color:rgb(0, 169, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0207, 30.7090, 35.4441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 154) }
```

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

```
.background{ background-color: rgb(0, 169,  
154) }
```

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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