

Converting Colors

XYZ(20.0012, 29.1332, 35.1111)

Have a look what the booklet for
XYZ(20.0012, 29.1332, 35.1111)
contains.

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Color

**XYZ(19.9686, 29.0630,
35.1291)**

Conversions

Conversions Part 1

Format	Color
Hex	2CA39A
RGB	44, 163, 154
RGB Percent	17%, 64%, 60%
CMY	0.8274, 0.3608, 0.3961
CMYK	0.73, 0.00, 0.06, 0.36
HSL	175°, 57%, 41%
HSV	175°, 73%, 64%
XYZ	19.9686, 29.0630, 35.1291
YIQ	126.3930, -68.0350, -28.0270

Conversions

Conversions Part 2

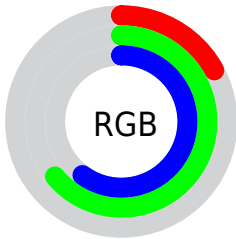
Format	Color
R_{YB}	44, 106, 163
Decimal	2925466
CIE _{Lab}	60.84, -33.96, -4.69
CIE _{LCh}	61, 34.278, 187.871
Yxy	29.0630, 0.2373, 0.3453
Android (android.graphics.Color)	4281115546 (0xFF2CA39A)
YUV	126.3930, 13.6103, -72.2587
Hunter-Lab	53.9101, -28.2253, -0.8977

Details

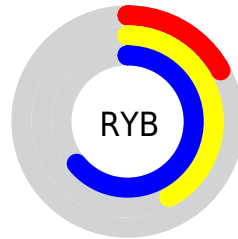
The XYZ color **19.9686, 29.0630, 35.1291** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.6485, 9.8457, 4.3919**, and the grayscale version is **19.9376, 20.9759, 22.8428**.

A 20% lighter version of the original color is **42.7632, 57.9481, 68.6057**, and **8.1326, 12.3482, 14.7868** is the 20% darker color. If you saturate the color by 10%, you get **19.2992, 28.7304, 34.5650**, and if you desaturate by 10%, it is **20.9158, 29.5400, 35.7130**.

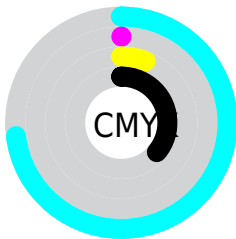
Distribution



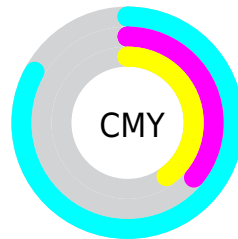
- Red (17%)
- Green (64%)
- Blue (60%)



- Red (17%)
- Yellow (42%)
- Blue (64%)



- Cyan (73%)
- Magenta (0%)
- Yellow (6%)
- Black (36%)



- Cyan (83%)
- Magenta (36%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9686, 29.0630, 35.1291 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 19.9686, 29.0630, 35.1291 by changing the saturation by 10% instead.

■ 19.9686, 29.0630,
35.1291

■ 19.9686, 29.0630,
35.1291

244.5819,
297.5121, 340.0594

■ 12.4804, 19.1285,
23.4780

■ 42.8689, 58.1772,
68.8396

■ 7.1462, 11.7632,
14.7382

■ 59.0116, 78.1256,
91.7360

■ 3.6009, 6.5826,
8.4913

■ 78.7699, 102.1808,
119.2179

■ 1.4789, 3.2025,
4.3187

■ 102.5091,
130.7272, 151.7039

■ 0.3114, 1.2383,
1.8017

■ 130.5945,
164.1491, 189.6125

■ 0.0000, 0.0927,
0.4291

163.3916,

■ 0.0000, 0.0000,

202.8309, 233.3623

0.0000

201.2656,
247.1572, 283.3717

■ 19.9686, 29.0630,
35.1291

■ 19.9686, 29.0630,
35.1291

■ 19.2992, 28.7304,
34.5650

■ 20.9158, 29.5400,
35.7130

■ 18.8706, 28.5211,
34.0170

■ 22.1670, 30.1730,
36.3160

■ 18.6570, 28.4191,
33.6410

■ 23.7482, 30.9760,
36.9400

■ 25.6820, 31.9606,
37.5860

■ 27.9890, 33.1375,
38.2551

■ 30.6882, 34.5164,
38.9481

■ 33.7973, 36.1066,
39.6659

■ 37.3329, 37.9164,
40.4093

■ 41.3106, 39.9541,
41.1790

Harmonies

Analogous

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



20.4157, 29.0630, 23.2642



19.9686, 29.0630, 35.1291



21.3910, 29.0630, 49.2461

Triad

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



19.9686, 29.0630, 35.1291



33.2304, 29.0630, 55.2656



30.9820, 29.0630, 13.9084

Complementary

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



19.9686, 29.0630, 35.1291



16.6485, 9.8457, 4.3919

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.



34.9624, 29.0630, 18.8337



19.9686, 29.0630, 35.1291



36.3548, 29.0630, 41.8289

Square

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



19.9686, 29.0630, 35.1291



28.8148, 29.0630, 62.7467



37.0205, 29.0630, 28.3986



26.4655, 29.0630, 13.0160

Rectangle

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



19.9686, 29.0630, 35.1291



23.3085, 29.0630, 57.3377



37.0205, 29.0630, 28.3986



32.4407, 29.0630, 15.0679

Sweetspot

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



19.9695, 29.0641, 35.1298



50.3921, 59.4812, 68.5820



15.0695, 27.1594, 6.8314



11.0632, 13.2292, 15.3333



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.9695, 29.0641, 35.1298



34.0093, 51.1809, 61.2473



13.6022, 15.0843, 36.8463



7.2529, 8.0020, 8.9435



14.5068, 22.0891, 26.1833



0.3112, 0.4667, 0.5837

Inverse Universe

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



16.6485, 9.8457, 4.3919



27.7811, 14.8072, 3.3559



19.5257, 15.9010, 4.4235



7.0945, 7.0943, 7.4841



11.7992, 6.0757, 0.8673



0.2541, 0.1301, 0.0505

Previews

White Background



This preview shows how the XYZ color 19.9686, 29.0630, 35.1291 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 19.9686, 29.0630, 35.1291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

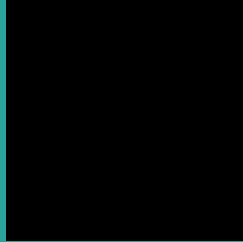
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.9686, 29.0630, 35.1291

Background



This preview shows how black text looks on a background with the XYZ color 19.9686, 29.0630, 35.1291.

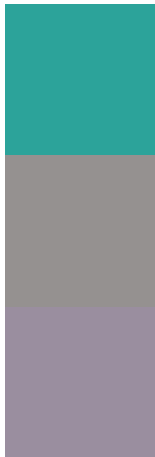


This preview shows how white text looks on a background with the XYZ color 19.9686, 29.0630,

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

19.9686, 29.0630, 35.1291

Protanopia

27.5539, 28.6540, 30.4641

Deuteranopia

29.2574, 28.7192, 36.8022



Tritanopia

21.7445, 28.9995, 43.9866

Trichromacy



Original Color

19.9686, 29.0630, 35.1291

Protanomaly

23.1291, 27.9741, 32.1975

Deuteranomaly

23.9316, 27.8244, 36.0076

Tritanomaly

21.0440, 28.9730, 40.5596

Monochromacy



Original Color

19.9686, 29.0630, 35.1291

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.5004, 22.7296, 26.7047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9686, 29.0630, 35.1291 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(44, 163, 154)` looks like.

```
.text, #text, p{  
    color:rgb(44, 163, 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(44, 163, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 163, 154) }
```

Border

The CSS property to change the border of an element to XYZ 19.9686, 29.0630, 35.1291 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(44, 163, 154) }
```


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

```
.border{ border-color:rgb(44, 163, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 163, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 163, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 163, 154);  
box-shadow:4px 4px 4px 4px rgb(44, 163,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9686, 29.0630, 35.1291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 163, 154) }
```

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

```
.background{ background-color: rgb(44, 163,  
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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