

Converting Colors

XYZ(21.3293, 30.3345, 44.4699)

Have a look what the booklet for
XYZ(21.3293, 30.3345, 44.4699)
contains.

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Color

**XYZ(21.3042, 30.3541,
44.2712)**

Conversions

Conversions Part 1

Format	Color
Hex	0AA6AD
RGB	10, 166, 173
RGB Percent	4%, 65%, 68%
CMY	0.9607, 0.3490, 0.3216
CMYK	0.94, 0.04, 0.00, 0.32
HSL	183°, 89%, 36%
HSV	183°, 94%, 68%
XYZ	21.3042, 30.3541, 44.2712
YIQ	120.1540, -95.2230, -30.8950

Conversions

Conversions Part 2

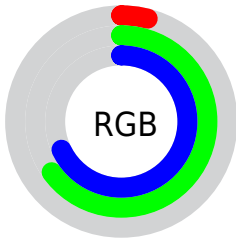
Format	Color
RYB	10, 90, 173
Decimal	698029
CIELab	61.96, -32.30, -13.76
CIELCh	62, 35.111, 203.064
Yxy	30.3541, 0.2221, 0.3164
Android (android.graphics.Color)	4278888109 (0xFF0AA6AD)
YUV	120.1540, 26.0531, -96.6051
Hunter-Lab	55.0946, -27.3923, -9.0763

Details

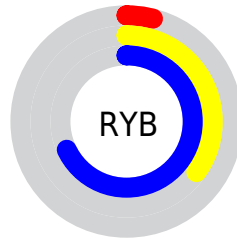
The XYZ color **21.3042, 30.3541, 44.2712** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.4897, 9.3081, 1.1629**, and the grayscale version is **17.8462, 18.7756, 20.4466**.

A 20% lighter version of the original color is **45.1619, 60.4407, 82.6847**, and **9.3563, 13.1907, 20.1421** is the 20% darker color. If you saturate the color by 10%, you get **21.1014, 30.1341, 44.2400**, and if you desaturate by 10%, it is **21.7758, 30.7989, 44.3328**.

Distribution



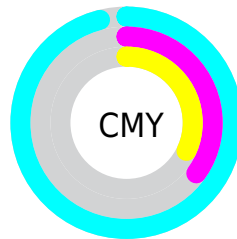
- Red (4%)
- Green (65%)
- Blue (68%)



- Red (4%)
- Yellow (35%)
- Blue (68%)



- Cyan (94%)
- Magenta (4%)
- Yellow (0%)
- Black (32%)



- Cyan (96%)
- Magenta (35%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3042, 30.3541, 44.2712 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 21.3042, 30.3541, 44.2712 by changing the saturation by 10% instead.

21.3042, 30.3541,
44.2712

21.3042, 30.3541,
44.2712

251.5920,
303.5515, 379.8875

13.4603, 20.1075,
30.5450

45.0807, 60.2217,
82.9325

7.8254, 12.4732,
19.9971

61.7440, 80.6115,
108.7047

4.0343, 7.0668,
12.2089

82.0779, 105.1512,
139.3293

1.7216, 3.5039,
6.7618

106.4475,
134.2252, 175.2249

0.4697, 1.4001,
3.2374

135.2184,
168.2178, 216.8099

0.0000, 0.2168,
1.2171

168.7559,

0.0000, 0.0000,

207.5135, 264.5030

0.0000

207.4253,
252.4966, 318.7227

■ 21.3042, 30.3541,
44.2712

■ 21.3042, 30.3541,
44.2712

■ 21.1014, 30.1341,
44.2400

■ 21.7758, 30.7989,
44.3328

■ 22.5173, 31.3834,
44.4065

■ 23.5705, 32.1298,
44.4951

■ 24.9698, 33.0557,
44.6000

■ 26.7446, 34.1764,
44.7228

■ 28.9215, 35.5055,
44.8646

■ 31.5246, 37.0555,
45.0266

■ 34.5760, 38.8378,
45.2098

■ 38.0965, 40.8631,
45.4152

Harmonies

Analogous

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



20.7722, 30.3541, 30.0205



21.3042, 30.3541, 44.2712



23.7503, 30.3541, 58.3764

Triad

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



21.3042, 30.3541, 44.2712



36.6999, 30.3541, 51.1853



29.9565, 30.3541, 13.4304

Complementary

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



21.3042, 30.3541, 44.2712



17.4897, 9.3081, 1.1629

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.



34.6335, 30.3541, 16.3697



21.3042, 30.3541, 44.2712



38.7915, 30.3541, 36.2777

Square

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



21.3042, 30.3541, 44.2712



32.5407, 30.3541, 63.0666



37.9970, 30.3541, 23.9065



25.4507, 30.3541, 14.4889

Rectangle

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



21.3042, 30.3541, 44.2712



26.2957, 30.3541, 64.5350



37.9970, 30.3541, 23.9065



31.5660, 30.3541, 13.9492

Sweetspot

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



21.3051, 30.3552, 44.2719



54.3637, 65.1240, 80.5107



15.1589, 29.9881, 5.4587



11.4006, 13.9057, 17.4709



82.5889, 86.8899, 94.6231



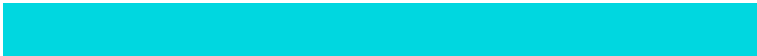
15.4596, 16.2647, 17.7123

Same Dimension

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



21.3051, 30.3552, 44.2719



37.7491, 53.8840, 79.2168



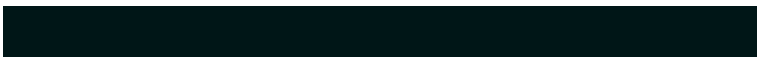
11.0029, 9.7508, 40.8379



8.2064, 9.0122, 10.2597



15.5129, 22.1597, 32.5042



0.4404, 0.6341, 0.9072

Inverse Universe

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



24.2258, 11.8554, 37.0890



43.0999, 20.8054, 65.8749



21.5587, 17.4461, 2.5192



8.3220, 8.1420, 10.0064



17.6939, 8.5401, 27.0970



0.4967, 0.2394, 0.7773

Previews

White Background



This preview shows how the XYZ color 21.3042, 30.3541, 44.2712 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 21.3042, 30.3541, 44.2712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

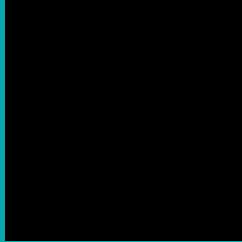
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.3042, 30.3541, 44.2712

Background



This preview shows how black text looks on a background with the XYZ color 21.3042, 30.3541, 44.2712.

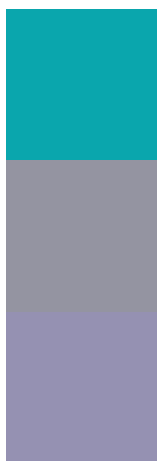


This preview shows how white text looks on a background with the XYZ color 21.3042, 30.3541,

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

21.3042, 30.3541, 44.2712

Protanopia

29.2357, 30.0489, 37.9773

Deuteranopia

30.5557, 29.8547, 46.2716



Tritanopia

21.9685, 30.3591, 47.3499

Trichromacy



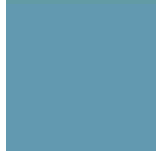
Original Color

21.3042, 30.3541, 44.2712



Protanomaly

23.5499, 28.7560, 39.9066



Deuteranomaly

24.2647, 28.5137, 45.2991



Tritanomaly

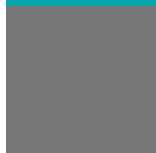
21.6595, 30.2230, 46.2870

Monochromacy



Original Color

21.3042, 30.3541, 44.2712



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

16.9141, 21.4609, 27.6770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3042, 30.3541, 44.2712 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(10, 166, 173)` looks like.

```
.text, #text, p{  
    color:rgb(10, 166, 173)  
}
```

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(10, 166, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 166, 173) }
```

Border

The CSS property to change the border of an element to XYZ 21.3042, 30.3541, 44.2712 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(10, 166, 173) }
```


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

```
.border{ border-color:rgb(10, 166, 173) }
```

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

Here you see how a box with a 4 pixel rgb(10, 166, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 166, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 166, 173);  
box-shadow:4px 4px 4px 4px rgb(10, 166,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3042, 30.3541, 44.2712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 166, 173) }
```

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

```
.background{ background-color: rgb(10, 166,  
173) }
```

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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