

Converting Colors

XYZ(21.9571, 30.1655, 46.2613)

Have a look what the booklet for
XYZ(21.9571, 30.1655, 46.2613)
contains.

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Color

**XYZ(21.9044, 30.0826,
46.2470)**

Conversions

Conversions Part 1

Format	Color
Hex	23A4B1
RGB	35, 164, 177
RGB Percent	14%, 64%, 69%
CMY	0.8627, 0.3569, 0.3059
CMYK	0.80, 0.07, 0.00, 0.31
HSL	185°, 67%, 42%
HSV	185°, 80%, 69%
XYZ	21.9044, 30.0826, 46.2470
YIQ	126.9110, -81.0570, -23.3050

Conversions

Conversions Part 2

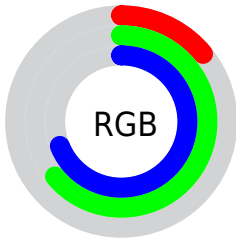
Format	Color
RYB	35, 103, 177
Decimal	2335921
CIELab	61.73, -28.47, -16.33
CIELCh	62, 32.824, 209.834
Yxy	30.0826, 0.2230, 0.3062
Android (android.graphics.Color)	4280526001 (0xFF23A4B1)
YUV	126.9110, 24.6939, -80.6059
Hunter-Lab	54.8476, -24.6961, -11.5995

Details

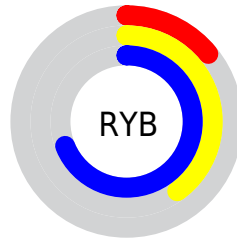
The XYZ color **21.9044, 30.0826, 46.2470** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.4926, 11.5834, 2.7994**, and the grayscale version is **20.0817, 21.1275, 23.0078**.

A 20% lighter version of the original color is **45.9834, 59.6104, 86.1732**, and **9.4323, 13.0436, 21.0893** is the 20% darker color. If you saturate the color by 10%, you get **21.1604, 29.2719, 46.1303**, and if you desaturate by 10%, it is **22.9568, 31.0590, 46.3806**.

Distribution



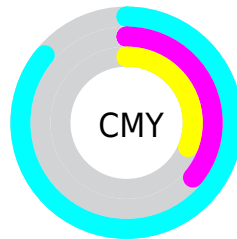
- Red (14%)
- Green (64%)
- Blue (69%)



- Red (14%)
- Yellow (40%)
- Blue (69%)



- Cyan (80%)
- Magenta (7%)
- Yellow (0%)
- Black (31%)



- Cyan (86%)
- Magenta (36%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9044, 30.0826, 46.2470 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 21.9044, 30.0826, 46.2470 by changing the saturation by 10% instead.

■ 21.9044, 30.0826,
46.2470

■ 21.9044, 30.0826,
46.2470

■ 254.6884,
302.2893, 388.1072

■ 13.9029, 19.9013,
32.0907

■ 46.0680, 59.7928,
85.9267

■ 8.1344, 12.3233,
21.1654

■ 62.9607, 80.0904,
112.2872

■ 4.2336, 6.9643,
13.0525

■ 83.5480, 104.5290,
143.5528

■ 1.8351, 3.4398,
7.3336

■ 108.1950,
133.4929, 180.1422

■ 0.5387, 1.3654,
3.5900

■ 137.2672,
167.3665, 222.4737

■ 0.0000, 0.1910,
1.4032

171.1299,

■ 0.0000, 0.0000,

206.5341, 270.9661

0.1442

210.1485,
251.3803, 326.0377

■ 0.0000, 0.0000,
0.0000

■ 21.9044, 30.0826,
46.2470

■ 21.9044, 30.0826,
46.2470

■ 21.1604, 29.2719,
46.1303

■ 22.9568, 31.0590,
46.3806

■ 20.6454, 28.5933,
46.0265

■ 24.3548, 32.2185,
46.5307

■ 26.1336, 33.5797,
46.6997

■ 28.3231, 35.1583,
46.8890

■ 30.9501, 36.9680,
47.0998

■ 34.0394, 39.0215,
47.3334

■ 37.6138, 41.3308,
47.5907

■ 41.6945, 43.9066,
47.8728

■ 46.3015, 46.7595,
48.1807

Harmonies

Analogous

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



20.9851, 30.0826, 32.6852



21.9044, 30.0826, 46.2470



24.5740, 30.0826, 58.2816

Triad

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



21.9044, 30.0826, 46.2470



36.4914, 30.0826, 46.3991



28.6170, 30.0826, 14.1003

Complementary

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



21.9044, 30.0826, 46.2470



19.4926, 11.5834, 2.7994

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.



33.0270, 30.0826, 16.0414



21.9044, 30.0826, 46.2470



37.8469, 30.0826, 32.8246

Square

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



21.9044, 30.0826, 46.2470



32.9806, 30.0826, 58.3840



36.5200, 30.0826, 22.1808



24.6122, 30.0826, 15.9981

Rectangle

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



21.9044, 30.0826, 46.2470



27.1348, 30.0826, 62.6161



36.5200, 30.0826, 22.1808



30.1017, 30.0826, 14.3168

Sweetspot

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



21.9053, 30.0837, 46.2477



58.5409, 68.2898, 84.5911



16.9258, 32.0062, 7.9586



12.2756, 14.5254, 18.3010



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.



21.9053, 30.0837, 46.2477



37.2094, 51.5077, 82.4761



12.6476, 11.5682, 43.1618



8.6748, 9.4959, 10.8820



14.9814, 20.7633, 33.3551



0.4906, 0.6918, 1.0559

Inverse Universe

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



25.4341, 13.2304, 36.3363



44.1221, 21.5595, 62.3723



24.8947, 22.3876, 4.6001



8.8158, 8.6330, 10.5285



17.7966, 8.6362, 25.1526



0.5697, 0.2756, 0.8425

Previews

White Background



This preview shows how the XYZ color 21.9044, 30.0826, 46.2470 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 21.9044, 30.0826, 46.2470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

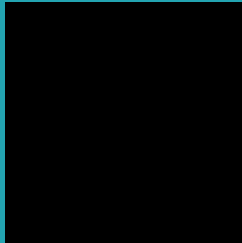
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.9044, 30.0826, 46.2470

Background



This preview shows how black text looks on a background with the XYZ color 21.9044, 30.0826, 46.2470.

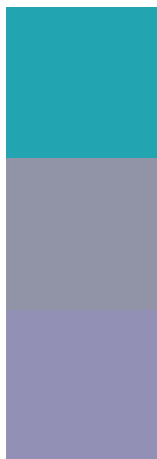


This preview shows how white text looks on a background with the XYZ color 21.9044, 30.0826,

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

21.9044, 30.0826, 46.2470

Protanopia

28.9937, 29.6404, 40.2694

Deuteranopia

30.3199, 29.6980, 47.8503



Tritanopia

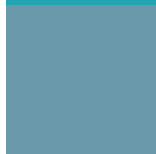
21.9044, 30.0826, 46.2470

Trichromacy



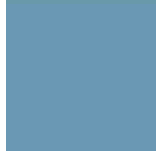
Original Color

21.9044, 30.0826, 46.2470



Protanomaly

24.4726, 28.6880, 42.2777



Deuteranomaly

25.4103, 28.8159, 47.4028



Tritanomaly

21.9044, 30.0826, 46.2470

Monochromacy



Original Color

21.9044, 30.0826, 46.2470



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

19.1050, 23.1802, 30.2553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9044, 30.0826, 46.2470 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(35, 164, 177)` looks like.

```
.text, #text, p{  
    color:rgb(35, 164, 177)  
}
```

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(35, 164, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 164, 177) }
```

Border

The CSS property to change the border of an element to XYZ 21.9044, 30.0826, 46.2470 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(35, 164, 177) }
```


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

```
.border{ border-color:rgb(35, 164, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 164, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(35, 164, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(35, 164, 177); box-shadow:4px 4px 4px 4px rgb(35, 164, 177) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9044, 30.0826, 46.2470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 164, 177) }
```

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

```
.background{ background-color: rgb(35, 164,  
177) }
```

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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