

Converting Colors

XYZ(21.6082, 30.0661, 46.2600)

Have a look what the booklet for
XYZ(21.6082, 30.0661, 46.2600)
contains.

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Color

**XYZ(21.7002, 30.2440,
46.2889)**

Conversions

Conversions Part 1

Format	Color
Hex	15A5B1
RGB	21, 165, 177
RGB Percent	8%, 65%, 69%
CMY	0.9176, 0.3529, 0.3059
CMYK	0.88, 0.07, 0.00, 0.31
HSL	185°, 79%, 39%
HSV	185°, 88%, 69%
XYZ	21.7002, 30.2440, 46.2889
YIQ	123.3120, -89.6760, -26.7960

Conversions

Conversions Part 2

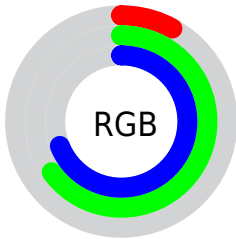
Format	Color
R _Y B	21, 96, 177
Decimal	1418673
CIE Lab	61.86, -30.03, -16.14
CIE LCh	62, 34.088, 208.252
Yxy	30.2440, 0.2209, 0.3079
Android (android.graphics.Color)	4279608753 (0xFF15A5B1)
YUV	123.3120, 26.4682, -89.7276
Hunter-Lab	54.9945, -25.8065, -11.4082

Details

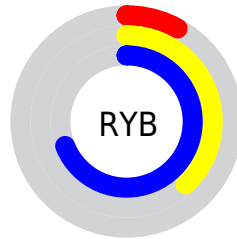
The XYZ color **21.7002, 30.2440, 46.2889** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **18.8116, 10.4902, 1.7438**, and the grayscale version is **18.8686, 19.8512, 21.6180**.

A 20% lighter version of the original color is **45.6680, 59.8363, 86.2334**, and **9.5432, 13.2655, 21.1263** is the 20% darker color. If you saturate the color by 10%, you get **21.1887, 29.6183, 46.1957**, and if you desaturate by 10%, it is **22.4645, 31.0052, 46.3961**.

Distribution



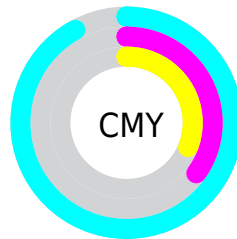
- Red (8%)
- Green (65%)
- Blue (69%)



- Red (8%)
- Yellow (38%)
- Blue (69%)



- Cyan (88%)
- Magenta (7%)
- Yellow (0%)
- Black (31%)



- Cyan (92%)
- Magenta (35%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7002, 30.2440, 46.2889 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 21.7002, 30.2440, 46.2889 by changing the saturation by 10% instead.

■ 21.7002, 30.2440,
46.2889

■ 21.7002, 30.2440,
46.2889

■ 253.6385,
303.0401, 388.2802

■ 13.7521, 20.0239,
32.1235

■ 45.7325, 60.0478,
85.9900

■ 8.0290, 12.4124,
21.1903

■ 62.5475, 80.4003,
112.3629

■ 4.1655, 7.0252,
13.0706

■ 83.0489, 104.8991,
143.6420

■ 1.7962, 3.4779,
7.3459

■ 107.6020,
133.9284, 180.2459

■ 0.5154, 1.3860,
3.5976

■ 136.5721,
167.8728, 222.5931

■ 0.0000, 0.2064,
1.4073

170.3247,

■ 0.0000, 0.0000,

207.1166, 271.1022

0.1474

209.2250,
252.0443, 326.1917

■ 0.0000, 0.0000,
0.0000

■ 21.7002, 30.2440,
46.2889

■ 21.7002, 30.2440,
46.2889

■ 21.1887, 29.6183,
46.1957

■ 22.4645, 31.0052,
46.3961

■ 21.1016, 29.5058,
46.1785

■ 23.5424, 31.9313,
46.5181

■ 24.9734, 33.0433,
46.6573

■ 26.7906, 34.3584,
46.8153

■ 29.0233, 35.8915,
46.9936

■ 31.6978, 37.6564,
47.1933

■ 34.8383, 39.6655,
47.4155

■ 38.4674, 41.9304,
47.6614

■ 42.6060, 44.4620,
47.9320

Harmonies

Analogous

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



20.8499, 30.2440, 32.1713



21.7002, 30.2440, 46.2889



24.3791, 30.2440, 59.1996

Triad

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



21.7002, 30.2440, 46.2889



36.8562, 30.2440, 47.9719



29.0140, 30.2440, 13.6825

Complementary

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



21.7002, 30.2440, 46.2889



18.8116, 10.4902, 1.7438

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.



33.6055, 30.2440, 15.8735



21.7002, 30.2440, 46.2889



38.4197, 30.2440, 33.7017

Square

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



21.7002, 30.2440, 46.2889



33.0946, 30.2440, 60.3381



37.1724, 30.2440, 22.4266



24.7961, 30.2440, 15.4078

Rectangle

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



21.7002, 30.2440, 46.2889



26.9993, 30.2440, 64.1014



37.1724, 30.2440, 22.4266



30.5665, 30.2440, 13.9706

Sweetspot

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



21.7012, 30.2451, 46.2896



57.6545, 68.0140, 84.5846



16.2849, 31.7055, 6.5869



12.1150, 14.4933, 18.3033



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.



21.7012, 30.2451, 46.2896



37.7177, 52.6950, 82.6785



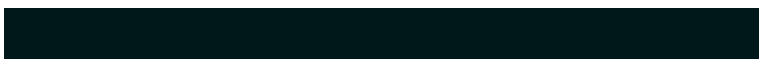
11.7858, 10.4144, 42.9845



8.6856, 9.5174, 10.8856



15.3087, 21.4177, 33.4642



0.4981, 0.7068, 1.0584

Inverse Universe

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



25.1920, 12.6010, 36.7029



44.3371, 21.4861, 63.9958



23.7797, 20.4263, 3.3998



8.8213, 8.6352, 10.5572



17.9618, 8.7023, 26.0223



0.5734, 0.2771, 0.8625

Previews

White Background



This preview shows how the XYZ color 21.7002, 30.2440, 46.2889 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 21.7002, 30.2440, 46.2889 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

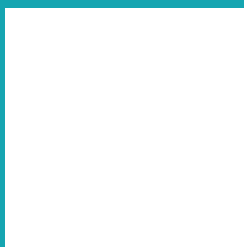
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.7002, 30.2440, 46.2889

Background



This preview shows how black text looks on a background with the XYZ color 21.7002, 30.2440, 46.2889.

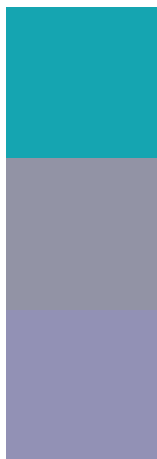


This preview shows how white text looks on a background with the XYZ color 21.7002, 30.2440,

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

21.7002, 30.2440, 46.2889

Protanopia

29.0793, 29.6950, 39.7964

Deuteranopia

30.3199, 29.6980, 47.8503



Tritanopia

21.8444, 30.3068, 46.8180

Trichromacy



Original Color

21.7002, 30.2440, 46.2889

Protanomaly

24.0839, 28.7425, 41.8146

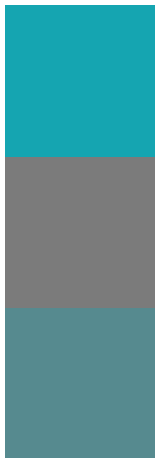
Deuteranomaly

24.8333, 28.5185, 47.3758

Tritanomaly

21.8219, 30.2952, 46.8169

Monochromacy



Original Color

21.7002, 30.2440, 46.2889

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.8842, 22.1386, 29.3172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7002, 30.2440, 46.2889 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(21, 165, 177)` looks like.

```
.text, #text, p{  
    color:rgb(21, 165, 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(21, 165, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 165, 177) }
```

Border

The CSS property to change the border of an element to XYZ 21.7002, 30.2440, 46.2889 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(21, 165, 177) }
```


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

```
.border{ border-color:rgb(21, 165, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 165, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 165, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 165, 177);  
box-shadow:4px 4px 4px 4px rgb(21, 165,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7002, 30.2440, 46.2889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 165, 177) }
```

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

```
.background{ background-color: rgb(21, 165,  
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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