

Converting Colors

XYZ(29.2287, 42.3047, 56.7163)

Have a look what the booklet for
XYZ(29.2287, 42.3047, 56.7163)
contains.

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Color

**XYZ(29.1801, 42.2528,
56.4868)**

Conversions

Conversions Part 1

Format	Color
Hex	20C1C0
RGB	32, 193, 192
RGB Percent	13%, 76%, 75%
CMY	0.8744, 0.2431, 0.2471
CMYK	0.83, 0.00, 0.01, 0.24
HSL	180°, 72%, 44%
HSV	180°, 83%, 76%
XYZ	29.1801, 42.2528, 56.4868
YIQ	144.7470, -95.6350, -34.4430

Conversions

Conversions Part 2

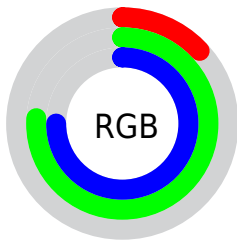
Format	Color
R _Y B	32, 113, 193
Decimal	2146752
CIE Lab	71.04, -37.89, -10.63
CIE LCh	71, 39.353, 195.666
Yxy	42.2528, 0.2281, 0.3303
Android (android.graphics.Color)	4280336832 (0xFF20C1C0)
YUV	144.7470, 23.2957, -98.8791
Hunter-Lab	65.0022, -33.6234, -6.0214

Details

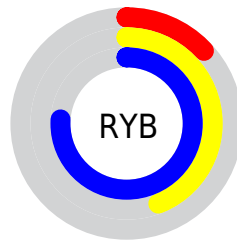
The XYZ color **29.1801, 42.2528, 56.4868** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **22.7848, 12.4817, 2.6486**, and the grayscale version is **26.7499, 28.1430, 30.6477**.

A 20% lighter version of the original color is **57.6844, 78.5280, 100.9241**, and **13.8928, 20.3293, 27.6178** is the 20% darker color. If you saturate the color by 10%, you get **28.7337, 42.0251, 56.3974**, and if you desaturate by 10%, it is **29.9798, 42.6644, 56.5947**.

Distribution



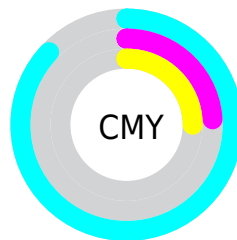
- Red (13%)
- Green (76%)
- Blue (75%)



- Red (13%)
- Yellow (44%)
- Blue (76%)



- Cyan (83%)
- Magenta (0%)
- Yellow (1%)
- Black (24%)





- Cyan (87%)
- Magenta (24%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1801, 42.2528, 56.4868 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 29.1801, 42.2528, 56.4868 by changing the saturation by 10% instead.


 29.1801, 42.2528,
56.4868


 29.1801, 42.2528,
56.4868


290.0427,
355.5298, 428.9632


 19.3621, 29.2993,
40.1867


 57.7587, 78.5821,
101.2089


 12.0377, 19.3073,
27.3693


 77.2500, 102.7266,
130.4679


 6.8418, 11.8926,
17.6159

 100.6964,
131.3704, 164.8838

 3.4088, 6.6706,
10.5080

 128.4632,
164.8976, 204.8749

 1.3734, 3.2569,
5.6271

 160.9159,
203.6928, 250.8599

 0.2372, 1.2673,
2.5546

198.4199,

 0.0000, 0.1157,

248.1403, 303.2572

0.8689

241.3403,
298.6245, 362.4855

■ 0.0000, 0.0000,
0.0000

■ 29.1801, 42.2528,
56.4868

■ 29.1801, 42.2528,
56.4868

■ 28.7337, 42.0251,
56.3974

■ 29.9798, 42.6644,
56.5947

■ 28.5631, 41.9382,
56.3437

■ 31.1824, 43.2829,
56.7205

■ 32.8337, 44.1326,
56.8674

■ 34.9721, 45.2334,
57.0371

■ 37.6322, 46.6032,
57.2313

■ 40.8453, 48.2581,
57.4515

■ 44.6402, 50.2129,
57.6989

■ 49.0438, 52.4815,
57.9749

■ 54.0814, 55.0769,
58.2805

Harmonies

Analogous

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



29.1187, 42.2528, 37.6152



29.1801, 42.2528, 56.4868



31.9604, 42.2528, 77.0512

Triad

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



29.1801, 42.2528, 56.4868



49.8939, 42.2528, 76.2155



43.3705, 42.2528, 19.0958

Complementary

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



29.1801, 42.2528, 56.4868



22.7848, 12.4817, 2.6486

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.



49.6543, 42.2528, 24.6714



29.1801, 42.2528, 56.4868



53.6897, 42.2528, 55.5604

Square

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



29.1801, 42.2528, 56.4868



43.6698, 42.2528, 90.3908



53.5975, 42.2528, 36.9093



36.8435, 42.2528, 19.2172

Rectangle

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



29.1801, 42.2528, 56.4868



35.1747, 42.2528, 87.4875



53.5975, 42.2528, 36.9093



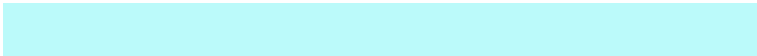
45.5954, 42.2528, 20.2817

Sweetspot

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



29.1814, 42.2544, 56.4878



71.9310, 85.7991, 102.8110



20.0146, 38.5977, 7.7630



14.9849, 18.1767, 22.0260



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



29.1814, 42.2544, 56.4878



51.1514, 75.1078, 100.8893



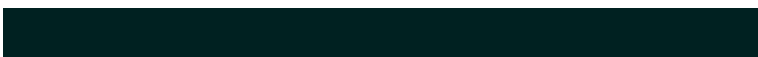
16.3750, 16.4633, 52.7684



10.3658, 11.4274, 12.9295



18.9984, 27.8934, 37.4803



0.8218, 1.2055, 1.6241

Inverse Universe

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



22.7848, 12.4817, 2.6486



39.3970, 20.3089, 1.8882



27.8113, 22.5568, 4.2558



10.0757, 10.0789, 10.4892



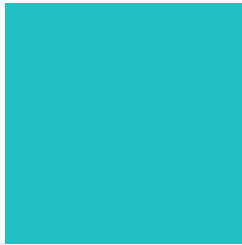
14.6330, 7.5429, 0.7134



0.6331, 0.3263, 0.0355

Previews

White Background



This preview shows how the XYZ color 29.1801, 42.2528, 56.4868 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 29.1801, 42.2528, 56.4868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

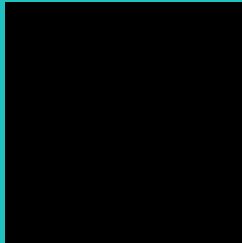
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

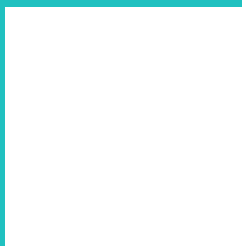
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.1801, 42.2528, 56.4868

Background



This preview shows how black text looks on a background with the XYZ color 29.1801, 42.2528, 56.4868.

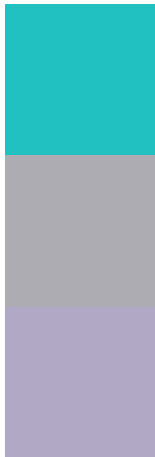


This preview shows how white text looks on a background with the XYZ color 29.1801, 42.2528,

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

29.1801, 42.2528, 56.4868

Protanopia

40.3448, 41.7584, 48.5816

Deuteranopia

42.2121, 41.3836, 58.5863



Tritanopia

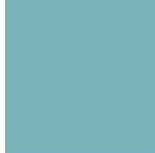
30.9437, 42.3222, 64.9306

Trichromacy



Original Color

29.1801, 42.2528, 56.4868



Protanomaly

32.9990, 40.2408, 51.3754



Deuteranomaly

33.8846, 39.6695, 57.5008



Tritanomaly

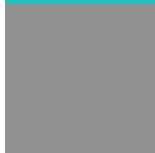
30.3471, 42.4086, 61.8446

Monochromacy



Original Color

29.1801, 42.2528, 56.4868



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

25.1508, 31.3924, 38.9162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1801, 42.2528, 56.4868 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(32, 193, 192)` looks like.

```
.text, #text, p{  
    color:rgb(32, 193, 192)  
}
```

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(32, 193, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 193, 192) }
```

Border

The CSS property to change the border of an element to XYZ 29.1801, 42.2528, 56.4868 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(32, 193, 192) }
```


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

```
.border{ border-color:rgb(32, 193, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 193, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 193, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 193, 192);  
box-shadow:4px 4px 4px 4px rgb(32, 193,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1801, 42.2528, 56.4868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 193, 192) }
```

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

```
.background{ background-color: rgb(32, 193,  
192) }
```

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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