

Converting Colors

XYZ(29.5449, 41.0960, 53.8611)

Have a look what the booklet for
XYZ(29.5449, 41.0960, 53.8611)
contains.

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Color

**XYZ(29.6586, 41.2550,
53.9768)**

Conversions

Conversions Part 1

Format	Color
Hex	44BDBC
RGB	68, 189, 188
RGB Percent	27%, 74%, 74%
CMY	0.7333, 0.2588, 0.2627
CMYK	0.64, 0.00, 0.01, 0.26
HSL	180°, 48%, 50%
HSV	180°, 64%, 74%
XYZ	29.6586, 41.2550, 53.9768
YIQ	152.7070, -71.7950, -25.9630

Conversions

Conversions Part 2

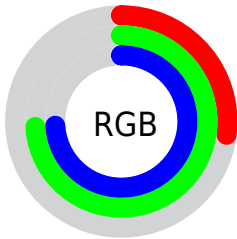
Format	Color
RYB	68, 129, 189
Decimal	4505020
CIELab	70.35, -33.08, -9.40
CIELCh	70, 34.390, 195.864
Yxy	41.2550, 0.2375, 0.3303
Android (android.graphics.Color)	4282695100 (0xFF44BDBC)
YUV	152.7070, 17.3994, -74.2880
Hunter-Lab	64.2301, -29.9792, -4.8643

Details

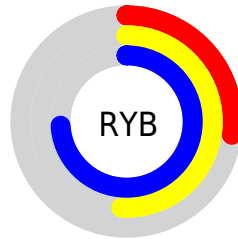
The XYZ color **29.6586, 41.2550, 53.9768** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **24.1290, 15.3840, 7.3292**, and the grayscale version is **30.1015, 31.6691, 34.4877**.

A 20% lighter version of the original color is **58.6450, 77.2685, 97.4113**, and **13.0371, 19.0772, 25.9168** is the 20% darker color. If you saturate the color by 10%, you get **28.5304, 40.6763, 53.8369**, and if you desaturate by 10%, it is **31.2142, 42.0559, 54.1386**.

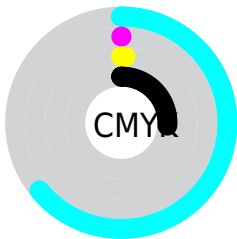
Distribution



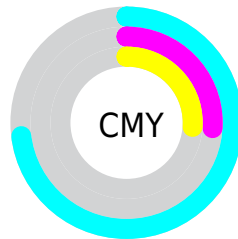
- Red (27%)
- Green (74%)
- Blue (74%)



- Red (27%)
- Yellow (51%)
- Blue (74%)



- Cyan (64%)
- Magenta (0%)
- Yellow (1%)
- Black (26%)



- Cyan (73%)
- Magenta (26%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6586, 41.2550, 53.9768 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 29.6586, 41.2550, 53.9768 by changing the saturation by 10% instead.

■ 29.6586, 41.2550,
53.9768

■ 29.6586, 41.2550,
53.9768

292.2483,
351.3853, 419.1937

■ 19.7264, 28.5184,
38.1901

■ 58.5122, 77.0708,
97.4962

■ 12.3034, 18.7168,
25.8273

■ 78.1643, 100.9189,
126.0660

■ 7.0243, 11.4658,
16.4699

■ 101.7870,
129.2395, 159.7339

■ 3.5238, 6.3811,
9.6993

■ 129.7458,
162.4171, 198.9184

■ 1.4364, 3.0782,
5.0971

■ 162.4060,
200.8361, 244.0381

■ 0.2820, 1.1727,
2.2446

200.1329,

■ 0.0000, 0.0392,

244.8808, 295.5115

0.6999

243.2919,
294.9358, 353.7572

■ 0.0000, 0.0000,
0.0000

■ 29.6586, 41.2550,
53.9768

■ 29.6586, 41.2550,
53.9768

■ 28.5304, 40.6763,
53.8369

■ 31.2142, 42.0559,
54.1386

■ 27.7832, 40.2930,
53.7140

■ 33.2302, 43.0933,
54.3212

■ 27.3670, 40.0804,
53.6067

■ 35.7410, 44.3857,
54.5270

■ 27.2149, 40.0032,
53.5471

■ 38.7763, 45.9485,
54.7574

■ 42.3638, 47.7959,
55.0138

■ 46.5290, 49.9412,
55.2973

■ 51.2960, 52.3967,
55.6091

■ 56.6874, 55.1741,
55.9502

■ 62.7247, 58.2845,
56.3216

Harmonies

Analogous

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



29.5882, 41.2550, 37.7384



29.6586, 41.2550, 53.9768



32.1196, 41.2550, 71.1669

Triad

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



29.6586, 41.2550, 53.9768



47.5405, 41.2550, 70.2688



41.9264, 41.2550, 20.9915

Complementary

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



29.6586, 41.2550, 53.9768



24.1290, 15.3840, 7.3292

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.



47.2776, 41.2550, 26.0790



29.6586, 41.2550, 53.9768



50.7236, 41.2550, 52.9586

Square

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



29.6586, 41.2550, 53.9768



42.2583, 41.2550, 82.0062



50.6230, 41.2550, 36.9370



36.3151, 41.2550, 21.1381

Rectangle

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



29.6586, 41.2550, 53.9768



34.9332, 41.2550, 79.7336



50.6230, 41.2550, 36.9370



43.8259, 41.2550, 22.0809

Sweetspot

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



29.6598, 41.2566, 53.9778



72.3489, 83.7857, 98.2777



21.7693, 38.1169, 11.6798



15.1735, 17.8196, 21.1064



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



29.6598, 41.2566, 53.9778



50.4537, 72.5190, 96.3221



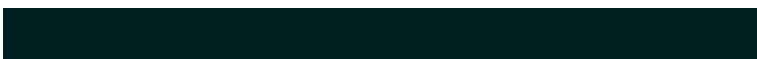
19.6221, 21.0078, 51.1665



9.8051, 10.8082, 12.2232



18.3119, 26.9150, 36.0349



0.7184, 1.0547, 1.4174

Inverse Universe

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



24.1290, 15.3840, 7.3292



39.7757, 22.5385, 6.2389



29.5540, 26.2835, 8.9854



9.5333, 9.5376, 9.9314



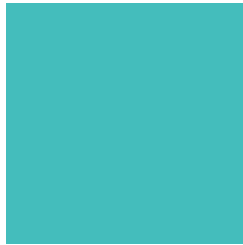
14.1274, 7.2821, 0.6986



0.5545, 0.2857, 0.0332

Previews

White Background



This preview shows how the XYZ color 29.6586, 41.2550, 53.9768 looks on a white background.

Color Contrast Check

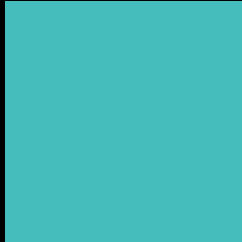
Large Text (above 18pt) WCAG AA × Fail

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 29.6586, 41.2550, 53.9768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

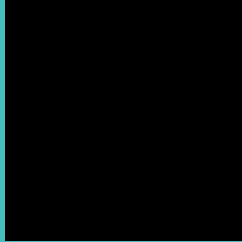
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

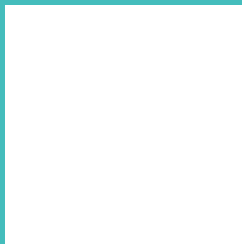
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6586, 41.2550, 53.9768

Background



This preview shows how black text looks on a background with the XYZ color 29.6586, 41.2550, 53.9768.

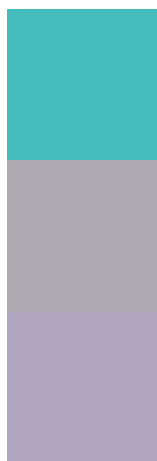


This preview shows how white text looks on a background with the XYZ color 29.6586, 41.2550,

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

29.6586, 41.2550, 53.9768

Protanopia

39.2245, 40.6547, 46.8541

Deuteranopia

41.3933, 40.4698, 56.0819



Tritanopia

31.3326, 41.3008, 62.1976

Trichromacy



Original Color

29.6586, 41.2550, 53.9768



Protanomaly

33.7919, 39.8079, 49.0827



Deuteranomaly

34.8565, 39.3521, 55.0488



Tritanomaly

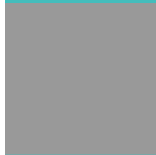
30.7338, 41.3754, 59.1897

Monochromacy



Original Color

29.6586, 41.2550, 53.9768



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

28.5452, 34.1632, 41.1661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6586, 41.2550, 53.9768 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(68, 189, 188)` looks like.

```
.text, #text, p{  
    color:rgb(68, 189, 188)  
}
```

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(68, 189, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 189, 188) }
```

Border

The CSS property to change the border of an element to XYZ 29.6586, 41.2550, 53.9768 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(68, 189, 188) }
```


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

```
.border{ border-color:rgb(68, 189, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 189, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 189, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 189, 188);  
box-shadow:4px 4px 4px 4px rgb(68, 189,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6586, 41.2550, 53.9768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 189, 188) }
```

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

```
.background{ background-color: rgb(68, 189,  
188) }
```

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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