

Converting Colors

XYZ(28.6495, 40.7223, 54.4943)

Have a look what the booklet for
XYZ(28.6495, 40.7223, 54.4943)
contains.

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Color

**XYZ(28.6495, 40.7223,
54.4943)**

Conversions

Conversions Part 1

Format	Color
Hex	31BDBD
RGB	49, 189, 189
RGB Percent	19%, 74%, 74%
CMY	0.8078, 0.2588, 0.2588
CMYK	0.74, 0.00, 0.00, 0.26
HSL	180°, 59%, 47%
HSV	180°, 74%, 74%
XYZ	28.6495, 40.7223, 54.4943
YIQ	147.1400, -83.4400, -29.6800

Conversions

Conversions Part 2

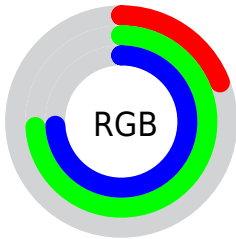
Format	Color
R _Y B	49, 119, 189
Decimal	3259837
CIE Lab	69.98, -35.36, -10.55
CIE LCh	70, 36.902, 196.610
Yxy	40.7223, 0.2313, 0.3288
Android (android.graphics.Color)	4281449917 (0xFF31BDBD)
YUV	147.1400, 20.6370, -86.0688
Hunter-Lab	63.8140, -31.5364, -5.9612

Details

The XYZ color **28.6495, 40.7223, 54.4943** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **22.6403, 13.2384, 4.2689**, and the grayscale version is **27.7347, 29.1791, 31.7760**.

A 20% lighter version of the original color is **56.9084, 76.3557, 98.1249**, and **13.1079, 19.1055, 26.2894** is the 20% darker color. If you saturate the color by 10%, you get **27.9222, 40.3483, 54.4611**, and if you desaturate by 10%, it is **29.7613, 41.2963, 54.5474**.

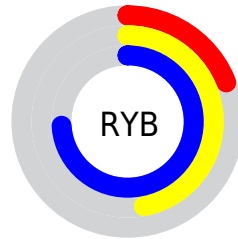
Distribution



Red (19%)

Green (74%)

Blue (74%)



Red (19%)

Yellow (47%)

Blue (74%)

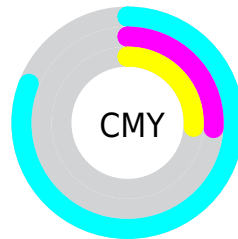


Cyan (74%)

Magenta (0%)

Yellow (0%)

Black (26%)



Cyan (81%)


Magenta (26%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6495, 40.7223, 54.4943 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 28.6495, 40.7223, 54.4943 by changing the saturation by 10% instead.


 28.6495, 40.7223,
54.4943


 28.6495, 40.7223,
54.4943


287.5817,
349.1586, 421.2199


 18.9588, 28.1022,
38.6011


 56.9212, 76.2622,
98.2633

 11.7443, 18.4027,
26.1441


 76.2328, 99.9507,
126.9763


 6.6408, 11.2395,
16.7048


 99.4822, 128.0974,
160.7996

 3.2828, 6.2281,
9.8645

 127.0346,
161.0868, 200.1517

 1.3050, 2.9843,
5.2048

 159.2554,
199.3032, 245.4513

 0.1870, 1.1235,
2.3071

196.5099,

 0.0000, 0.0000,

243.1311, 297.1168

0.7352

239.1636,
292.9547, 355.5669

■ 0.0000, 0.0000,
0.0000

■ 28.6495, 40.7223,
54.4943

■ 28.6495, 40.7223,
54.4943

■ 27.9222, 40.3483,
54.4611

■ 29.7613, 41.2963,
54.5474

■ 27.5244, 40.1432,
54.4423

■ 31.2964, 42.0877,
54.6193

■ 27.3836, 40.0706,
54.4356

■ 33.2932, 43.1171,
54.7129

■ 35.7844, 44.4014,
54.8296

■ 38.8001, 45.9560,
54.9709

■ 42.3677, 47.7952,
55.1380

■ 46.5129, 49.9321,
55.3321

■ 51.2598, 52.3792,
55.5544

■ 56.6309, 55.1481,
55.8059

Harmonies

Analogous

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



28.5121, 40.7223, 37.1051



28.6495, 40.7223, 54.4943



31.2937, 40.7223, 73.0171

Triad

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



28.6495, 40.7223, 54.4943



47.7298, 40.7223, 71.1980



41.4450, 40.7223, 19.2985

Complementary

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



28.6495, 40.7223, 54.4943



22.6403, 13.2384, 4.2689

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.



47.2035, 40.7223, 24.3676



28.6495, 40.7223, 54.4943



51.0775, 40.7223, 52.4584

Square

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



28.6495, 40.7223, 54.4943



42.1052, 40.7223, 84.2409



50.8754, 40.7223, 35.5320



35.4935, 40.7223, 19.5764

Rectangle

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



28.6495, 40.7223, 54.4943



34.2944, 40.7223, 82.2029



50.8754, 40.7223, 35.5320



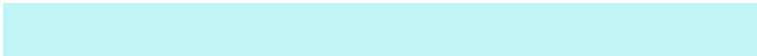
43.4791, 40.7223, 20.3633

Sweetspot

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



28.6507, 40.7238, 54.4953



70.5145, 82.8333, 98.4976



20.1353, 37.3310, 9.0511



14.8191, 17.6352, 21.1653



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.



28.6507, 40.7238, 54.4953



49.4925, 71.9961, 97.5122



17.3313, 18.0848, 50.7230



9.8086, 10.8096, 12.2417



18.4239, 26.9599, 36.6248



0.7217, 1.0560, 1.4346

Inverse Universe

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



22.6403, 13.2384, 4.2689



38.1738, 20.2359, 2.9266



27.8648, 23.6875, 6.0102



9.5302, 9.5364, 9.9151



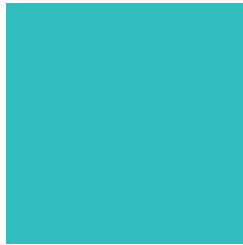
14.1202, 7.2793, 0.6609



0.5531, 0.2851, 0.0259

Previews

White Background



This preview shows how the XYZ color 28.6495, 40.7223, 54.4943 looks on a white background.

Color Contrast Check

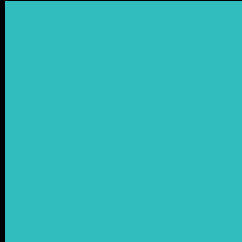
Large Text (above 18pt) WCAG AA × Fail

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 28.6495, 40.7223, 54.4943 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

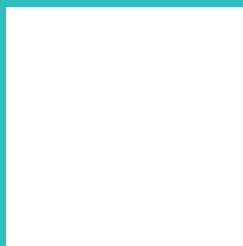
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.6495, 40.7223, 54.4943

Background



This preview shows how black text looks on a background with the XYZ color 28.6495, 40.7223, 54.4943.

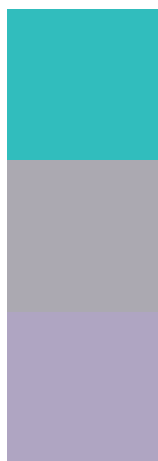


This preview shows how white text looks on a background with the XYZ color 28.6495, 40.7223,

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

28.6495, 40.7223, 54.4943

Protanopia

38.9184, 40.2082, 47.3047

Deuteranopia

40.8719, 39.9193, 56.5899



Tritanopia

30.1759, 40.7045, 62.1434

Trichromacy



Original Color

28.6495, 40.7223, 54.4943



Protanomaly

32.6182, 38.8989, 49.5051



Deuteranomaly

33.7037, 38.7450, 55.5713



Tritanomaly

29.6368, 40.8099, 59.1384

Monochromacy



Original Color

28.6495, 40.7223, 54.4943



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

25.9975, 31.8288, 38.9558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6495, 40.7223, 54.4943 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(49, 189, 189)` looks like.

```
.text, #text, p{  
  color:rgb(49, 189, 189)  
}
```

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(49, 189, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 189, 189) }
```

Border

The CSS property to change the border of an element to XYZ 28.6495, 40.7223, 54.4943 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(49, 189, 189) }
```


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

```
.border{ border-color:rgb(49, 189, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 189, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 189, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 189, 189);  
box-shadow:4px 4px 4px 4px rgb(49, 189,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6495, 40.7223, 54.4943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 189, 189) }
```

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

```
.background{ background-color: rgb(49, 189,  
189) }
```

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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