

Converting Colors

XYZ(24.7286, 33.7071, 44.3050)

Have a look what the booklet for
XYZ(24.7286, 33.7071, 44.3050)
contains.

XYZ(24.7975, 33.8232, 44.2513)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.7975, 33.8232,
44.2513)**

Conversions

Conversions Part 1

Format	Color
Hex	47ACAC
RGB	71, 172, 172
RGB Percent	28%, 67%, 67%
CMY	0.7215, 0.3255, 0.3255
CMYK	0.59, 0.00, 0.00, 0.33
HSL	180°, 42%, 48%
HSV	180°, 59%, 67%
XYZ	24.7975, 33.8232, 44.2513
YIQ	141.8010, -60.1960, -21.4120

Conversions

Conversions Part 2

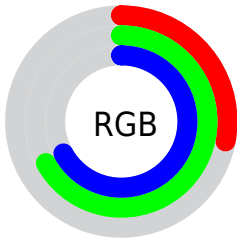
Format	Color
RYB	71, 122, 172
Decimal	4697260
CIELab	64.82, -28.88, -8.80
CIElCh	65, 30.189, 196.940
Yxy	33.8232, 0.2411, 0.3288
Android (android.graphics.Color)	4282887340 (0xFF47ACAC)
YUV	141.8010, 14.8881, -62.0925
Hunter-Lab	58.1577, -25.6665, -4.4024

Details

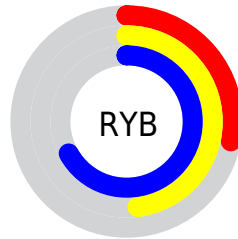
The XYZ color **24.7975, 33.8232, 44.2513** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.4050, 13.7332, 7.5378**, and the grayscale version is **25.5937, 26.9266, 29.3230**.

A 20% lighter version of the original color is **50.8145, 65.7787, 82.6914**, and **9.9870, 14.5497, 20.0513** is the 20% darker color. If you saturate the color by 10%, you get **23.7104, 33.2636, 44.2011**, and if you desaturate by 10%, it is **26.2436, 34.5695, 44.3199**.

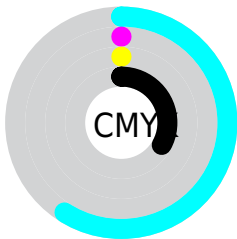
Distribution



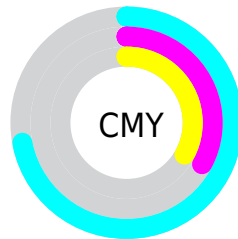
- Red (28%)
- Green (67%)
- Blue (67%)



- Red (28%)
- Yellow (48%)
- Blue (67%)



- Cyan (59%)
- Magenta (0%)
- Yellow (0%)
- Black (33%)



- Cyan (72%)
- Magenta (33%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7975, 33.8232, 44.2513 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 24.7975, 33.8232, 44.2513 by changing the saturation by 10% instead.

■ 24.7975, 33.8232,
44.2513

■ 24.7975, 33.8232,
44.2513

269.1943,
319.3430, 379.8041

■ 16.0542, 22.7578,
30.5295

■ 50.7738, 65.6586,
82.9023

■ 9.6536, 14.4148,
19.9854

■ 68.7375, 87.1975,
108.6685

■ 5.2304, 8.4097,
12.2004

■ 90.5053, 112.9962,
139.2866

■ 2.4192, 4.3582,
6.7561

■ 116.4426,
143.4394, 175.1751

■ 0.8547, 1.8759,
3.2339

■ 146.9148,
178.9112, 216.7525

■ 0.0000, 0.5338,
1.2153

182.2873,

■ 0.0000, 0.0000,

219.7961, 264.4375

0.0000

222.9253,
266.4786, 318.6485

■ 24.7975, 33.8232,
44.2513

■ 24.7975, 33.8232,
44.2513

■ 23.7104, 33.2636,
44.2011

■ 26.2436, 34.5695,
44.3199

■ 22.9484, 32.8707,
44.1653

■ 28.0732, 35.5126,
44.4056

■ 22.4760, 32.6272,
44.1430

■ 30.3118, 36.6667,
44.5105

■ 22.2270, 32.4989,
44.1313

■ 32.9824, 38.0434,
44.6356

■ 22.1994, 32.4846,
44.1300

■ 36.1057, 39.6536,
44.7819

■ 39.7015, 41.5073,
44.9503

■ 43.7883, 43.6141,
45.1417

■ 48.3835, 45.9830,
45.3569

■ 53.5037, 48.6225,
45.5966

Harmonies

Analogous

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



24.6745, 33.8232, 31.6796



24.7975, 33.8232, 44.2513



26.7727, 33.8232, 57.2300

Triad

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



24.7975, 33.8232, 44.2513



38.6491, 33.8232, 55.7062



34.0737, 33.8232, 18.0860

Complementary

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



24.7975, 33.8232, 44.2513



20.4050, 13.7332, 7.5378

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.



38.1984, 33.8232, 21.9617



24.7975, 33.8232, 44.2513



40.9959, 33.8232, 42.5054

Square

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



24.7975, 33.8232, 44.2513



34.6451, 33.8232, 64.7974



40.8239, 33.8232, 30.2846



29.7738, 33.8232, 18.3484

Rectangle

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



24.7975, 33.8232, 44.2513



28.9842, 33.8232, 63.5320



40.8239, 33.8232, 30.2846



35.5339, 33.8232, 18.9031

Sweetspot

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



24.7985, 33.8245, 44.2521



60.0412, 69.1214, 80.9826



18.6147, 31.3654, 11.0353



12.7309, 14.8580, 17.5845



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.7985, 33.8245, 44.2521



42.6086, 60.1346, 80.1656



17.1519, 18.5310, 41.7039



8.2364, 9.0721, 10.2697



16.5195, 24.1731, 32.8388



0.4596, 0.6725, 0.9135

Inverse Universe

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



20.4050, 13.7332, 7.5378



33.9136, 20.3729, 7.5059



24.8463, 22.6159, 9.0180



8.0053, 8.0154, 8.3386



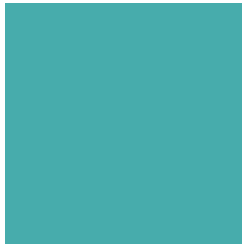
12.6607, 6.5268, 0.5926



0.3522, 0.1816, 0.0165

Previews

White Background



This preview shows how the XYZ color 24.7975, 33.8232, 44.2513 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 24.7975, 33.8232, 44.2513 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

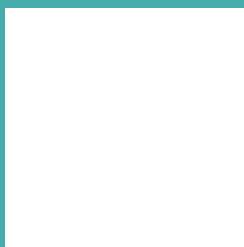
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.7975, 33.8232, 44.2513

Background



This preview shows how black text looks on a background with the XYZ color 24.7975, 33.8232, 44.2513.

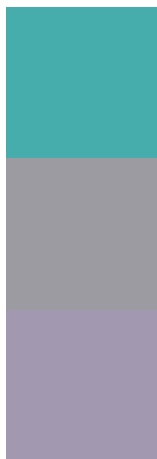


This preview shows how white text looks on a background with the XYZ color 24.7975, 33.8232,

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

24.7975, 33.8232, 44.2513

Protanopia

32.1476, 33.2194, 38.9001

Deuteranopia

33.9650, 33.2724, 45.7064



Tritanopia

26.0069, 33.7466, 50.4904

Trichromacy



Original Color

24.7975, 33.8232, 44.2513

Protanomaly

28.2320, 32.6785, 40.8960

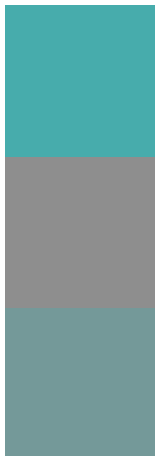
Deuteranomaly

29.1893, 32.5585, 45.3034

Tritanomaly

25.6252, 33.8770, 48.3683

Monochromacy



Original Color

24.7975, 33.8232, 44.2513

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.3435, 28.7954, 34.4120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7975, 33.8232, 44.2513 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(71, 172, 172)` looks like.

```
.text, #text, p{  
    color:rgb(71, 172, 172)  
}
```

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(71, 172, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 172, 172) }
```

Border

The CSS property to change the border of an element to XYZ 24.7975, 33.8232, 44.2513 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(71, 172, 172) }
```


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

```
.border{ border-color:rgb(71, 172, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 172, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 172, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 172, 172);  
box-shadow:4px 4px 4px 4px rgb(71, 172,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7975, 33.8232, 44.2513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 172, 172) }
```

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

```
.background{ background-color: rgb(71, 172,  
172) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor