

Converting Colors

XYZ(43.4514, 64.0619, 72.7968)

Have a look what the booklet for
XYZ(43.4514, 64.0619, 72.7968)
contains.

XYZ(43.3211, 63.7825, 72.9788)	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(43.3211, 63.7825,
72.9788)**

Conversions

Conversions Part 1

Format	Color
Hex	45E8D5
RGB	69, 232, 213
RGB Percent	27%, 91%, 84%
CMY	0.7294, 0.0902, 0.1647
CMYK	0.70, 0.00, 0.08, 0.09
HSL	173°, 78%, 59%
HSV	173°, 70%, 91%
XYZ	43.3211, 63.7825, 72.9788
YIQ	181.0970, -91.0490, -40.4650

Conversions

Conversions Part 2

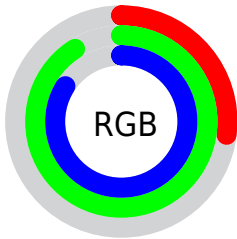
Format	Color
RYB	69, 156, 232
Decimal	4581589
CIELab	83.85, -45.61, -2.87
CIElCh	84, 45.699, 183.600
Yxy	63.7825, 0.2406, 0.3542
Android (android.graphics.Color)	4282771669 (0xFF45E8D5)
YUV	181.0970, 15.7282, -98.3091
Hunter-Lab	79.8639, -42.9370, 1.7262

Details

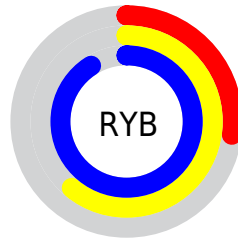
The XYZ color **43.3211, 63.7825, 72.9788** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **37.1704, 22.1185, 11.5451**, and the grayscale version is **43.9285, 46.2162, 50.3295**.

A 20% lighter version of the original color is **64.2912, 84.1433, 107.4605**, and **21.6969, 33.5193, 37.6741** is the 20% darker color. If you saturate the color by 10%, you get **41.6456, 62.9596, 71.1244**, and if you desaturate by 10%, it is **45.6489, 64.9440, 74.8964**.

Distribution



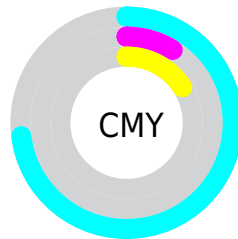
- Red (27%)
- Green (91%)
- Blue (84%)



- Red (27%)
- Yellow (61%)
- Blue (91%)



- Cyan (70%)
- Magenta (0%)
- Yellow (8%)
- Black (9%)





- Cyan (73%)
- Magenta (9%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.3211, 63.7825, 72.9788 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 43.3211, 63.7825, 72.9788 by changing the saturation by 10% instead.


 43.3211, 63.7825,
72.9788


 43.3211, 63.7825,
72.9788

350.8298,
438.4038, 490.0101


 30.3327, 46.4745,
53.4669


 79.4479, 110.2976,
125.1678

 20.2406, 32.6204,
37.7854


 103.3170,
140.2736, 158.6819

 12.6793, 21.8358,
25.5156


 131.5438,
175.2410, 197.7005

 7.2836, 13.7363,
16.2391

 164.4936,
215.5843, 242.6422

 3.6880, 7.9375,
9.5373

202.5317,
261.6878, 293.9255

 1.5272, 4.0550,
4.9917

246.0236,

 0.3442, 1.7044,

313.9360, 351.9689

2.1837

295.3345,
372.7132, 417.1909

■ 0.0000, 0.4265,
0.6650

■ 0.0000, 0.0000,
0.0000

■ 43.3211, 63.7825,
72.9788

■ 43.3211, 63.7825,
72.9788

■ 41.6456, 62.9596,
71.1244

■ 45.6489, 64.9440,
74.8964


■ 40.5371, 62.4268,
69.3249


■ 48.6906, 66.4714,
76.8761


■ 39.8718, 62.1209,
67.6193


■ 52.5067, 68.3973,
78.9221


■ 57.1496, 70.7488,
81.0372

 62.6674, 73.5507,
83.2237

 69.1044, 76.8257,
85.4838

 76.5018, 80.5952,
87.8195

 84.8982, 84.8790,
90.2329

 85.4340, 85.1098,
92.3094

Harmonies

Analogous

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



44.9196, 63.7825, 47.6462



43.3211, 63.7825, 72.9788



45.9197, 63.7825, 104.7684

Triad

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



43.3211, 63.7825, 72.9788



71.9497, 63.7825, 126.4471



69.6213, 63.7825, 30.7565

Complementary

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



43.3211, 63.7825, 72.9788



37.1704, 22.1185, 11.5451

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.



78.1719, 63.7825, 43.1193



43.3211, 63.7825, 72.9788



79.6170, 63.7825, 97.0550

Square

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



43.3211, 63.7825, 72.9788



61.8439, 63.7825, 140.5563



82.0101, 63.7825, 66.0335



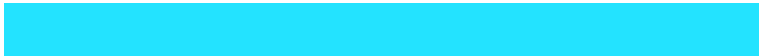
59.4190, 63.7825, 27.5846

Rectangle

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



43.3211, 63.7825, 72.9788



49.8710, 63.7825, 124.1495



82.0101, 63.7825, 66.0335



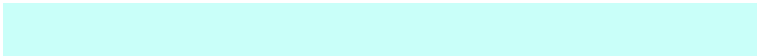
72.8198, 63.7825, 33.7679

Sweetspot

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



43.3230, 63.7849, 72.9803



77.0296, 90.8244, 102.8950



33.9589, 60.2209, 15.4657



16.0631, 19.2245, 21.8613



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



43.3230, 63.7849, 72.9803



50.9535, 77.7021, 87.1965



31.3062, 35.6626, 81.5801



14.7313, 16.3059, 18.1157



22.1650, 34.4981, 37.6989



1.6585, 2.5575, 2.8944

Inverse Universe

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



37.1704, 22.1185, 11.5451



43.0027, 23.2227, 7.3349



42.5366, 33.9508, 9.9429



14.4450, 14.3952, 15.2777



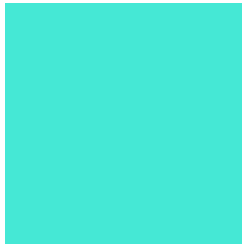
18.6086, 9.5777, 1.5681



1.3978, 0.7168, 0.2354

Previews

White Background



This preview shows how the XYZ color 43.3211, 63.7825, 72.9788 looks on a white background.

Color Contrast Check

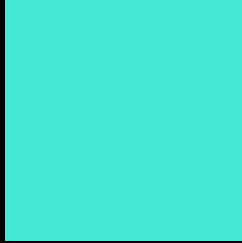
Large Text (above 18pt) WCAG AA × Fail

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 43.3211, 63.7825, 72.9788 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

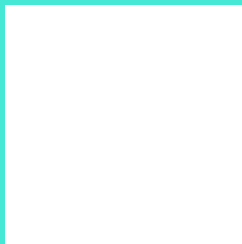
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.3211, 63.7825, 72.9788

Background



This preview shows how black text looks on a background with the XYZ color 43.3211, 63.7825, 72.9788.

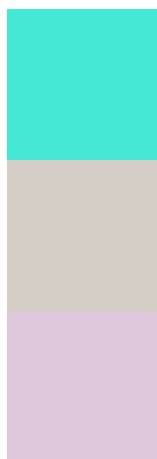


This preview shows how white text looks on a background with the XYZ color 43.3211, 63.7825,

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

43.3211, 63.7825, 72.9788

Protanopia

59.7049, 62.3660, 62.3171

Deuteranopia

63.9291, 62.4702, 76.3987



Tritanopia

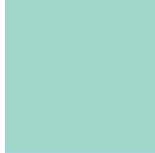
47.9414, 63.5704, 96.9323

Trichromacy



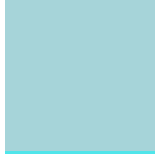
Original Color

43.3211, 63.7825, 72.9788



Protanomaly

49.7779, 60.4897, 65.5520



Deuteranomaly

51.7938, 60.2037, 74.5363



Tritanomaly

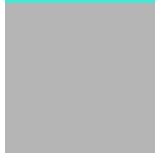
46.1789, 63.6846, 87.7004

Monochromacy



Original Color

43.3211, 63.7825, 72.9788



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

41.0951, 50.7343, 58.0788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.3211, 63.7825, 72.9788 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(69, 232, 213)` looks like.

```
.text, #text, p{  
    color:rgb(69, 232, 213)  
}
```

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(69, 232, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 232, 213) }
```

Border

The CSS property to change the border of an element to XYZ 43.3211, 63.7825, 72.9788 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(69, 232, 213) }
```


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

```
.border{ border-color:rgb(69, 232, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 232, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 232, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 232, 213);  
box-shadow:4px 4px 4px 4px rgb(69, 232,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 43.3211, 63.7825, 72.9788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 232, 213) }
```

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

```
.background{ background-color: rgb(69, 232,  
213) }
```

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