

Converting Colors

XYZ(24.3881, 31.5486, 44.2085)

Have a look what the booklet for
XYZ(24.3881, 31.5486, 44.2085)
contains.

XYZ(24.4776, 31.7212, 44.3679)	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(24.4776, 31.7212,
44.3679)**

Conversions

Conversions Part 1

Format	Color
Hex	52A5AD
RGB	82, 165, 173
RGB Percent	32%, 65%, 68%
CMY	0.6784, 0.3529, 0.3216
CMYK	0.53, 0.05, 0.00, 0.32
HSL	185°, 36%, 50%
HSV	185°, 53%, 68%
XYZ	24.4776, 31.7212, 44.3679
YIQ	141.0950, -52.0360, -15.1080

Conversions

Conversions Part 2

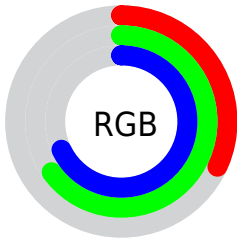
Format	Color
R _Y B	82, 125, 173
Decimal	5416365
CIE Lab	63.11, -22.89, -11.87
CIE LCh	63, 25.784, 207.422
Yxy	31.7212, 0.2434, 0.3154
Android (android.graphics.Color)	4283606445 (0xFF52A5AD)
YUV	141.0950, 15.7292, -51.8263
Hunter-Lab	56.3216, -20.9859, -7.2812

Details

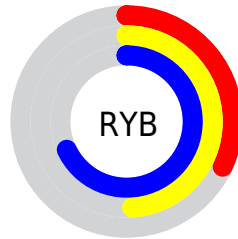
The XYZ color **24.4776, 31.7212, 44.3679** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **22.4134, 16.8064, 10.0461**, and the grayscale version is **25.3104, 26.6285, 28.9984**.

A 20% lighter version of the original color is **50.0780, 62.1911, 82.7635**, and **9.5223, 13.2763, 20.1499** is the 20% darker color. If you saturate the color by 10%, you get **22.8863, 30.4968, 44.2160**, and if you desaturate by 10%, it is **26.4534, 33.1501, 44.5401**.

Distribution



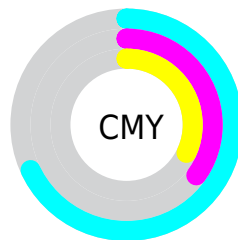
- Red (32%)
- Green (65%)
- Blue (68%)



- Red (32%)
- Yellow (49%)
- Blue (68%)



- Cyan (53%)
- Magenta (5%)
- Yellow (0%)
- Black (32%)



- Cyan (68%)
- Magenta (35%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4776, 31.7212, 44.3679 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 24.4776, 31.7212, 44.3679 by changing the saturation by 10% instead.

■ 24.4776, 31.7212,
44.3679

■ 24.4776, 31.7212,
44.3679

267.6221,
309.8473, 380.2927

■ 15.8149, 21.1486,
30.6205

■ 50.2575, 62.3738,
83.0794

■ 9.4833, 13.2327,
20.0540

■ 68.1054, 83.2226,
108.8807

■ 5.1174, 7.5890,
12.2499

■ 89.7458, 108.2655,
139.5369

■ 2.3518, 3.8331,
6.7895

■ 115.5440,
137.8871, 175.4668

■ 0.8209, 1.5806,
3.2543

145.8654,
172.4717, 217.0887

■ 0.0000, 0.3445,
1.2259

181.0753,

■ 0.0000, 0.0000,

212.4036, 264.8213

0.0000

221.5391,
258.0674, 319.0831

■ 24.4776, 31.7212,
44.3679

■ 24.4776, 31.7212,
44.3679

■ 22.8863, 30.4968,
44.2160

■ 26.4534, 33.1501,
44.5401

■ 21.6474, 29.4582,
44.0808

■ 28.8367, 34.7932,
44.7317

■ 20.7287, 28.5894,
43.9616

■ 31.6524, 36.6641,
44.9444

■ 20.0904, 27.8700,
43.8563

■ 34.9224, 38.7741,
45.1793

■ 19.7348, 27.4009,
43.7845

■ 38.6671, 41.1337,
45.4374

■ 42.9057, 43.7529,
45.7195

■ 47.6563, 46.6409,
46.0266

■ 52.9362, 49.8067,
46.3594

■ 58.7616, 53.2588,
46.7187

Harmonies

Analogous

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



23.8208, 31.7212, 33.6655



24.4776, 31.7212, 44.3679



26.6154, 31.7212, 53.8131

Triad

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



24.4776, 31.7212, 44.3679



36.2883, 31.7212, 46.1955



30.4587, 31.7212, 18.4342

Complementary

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



24.4776, 31.7212, 44.3679



22.4134, 16.8064, 10.0461

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.



33.9846, 31.7212, 20.5232



24.4776, 31.7212, 44.3679



37.5115, 31.7212, 35.4274

Square

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



24.4776, 31.7212, 44.3679



33.4108, 31.7212, 55.0058



36.6374, 31.7212, 26.2808



27.1087, 31.7212, 19.9068

Rectangle

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



24.4776, 31.7212, 44.3679



28.6851, 31.7212, 57.4001



36.6374, 31.7212, 26.2808



31.6641, 31.7212, 18.7320

Sweetspot

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



24.4786, 31.7224, 44.3687



60.2913, 67.9999, 80.7534



20.2517, 32.4128, 14.7699



12.8497, 14.6148, 17.5314



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.



24.4786, 31.7224, 44.3687



40.6155, 54.3176, 79.1494



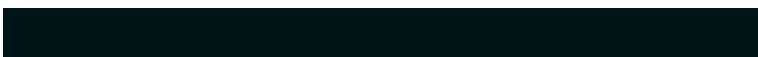
17.7297, 18.2248, 42.1190



8.1752, 8.9499, 10.2493



14.5191, 20.1721, 32.1729



0.4211, 0.5955, 0.9007

Inverse Universe

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



27.0432, 17.6363, 37.5774



45.8403, 26.8542, 65.0372



27.4329, 26.8455, 11.7193



8.3063, 8.1358, 9.9236



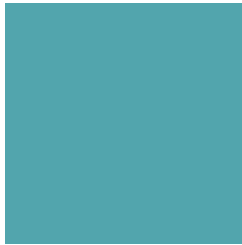
17.1922, 8.3394, 24.4554



0.4869, 0.2355, 0.7260

Previews

White Background



This preview shows how the XYZ color 24.4776, 31.7212, 44.3679 looks on a white background.

Color Contrast Check

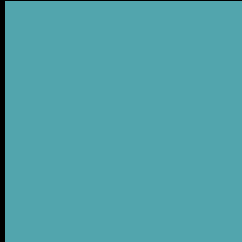
Large Text (above 18pt) WCAG AA × Fail

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 24.4776, 31.7212, 44.3679 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 24.4776, 31.7212, 44.3679

Background



This preview shows how black text looks on a background with the XYZ color 24.4776, 31.7212, 44.3679.



This preview shows how white text looks on a background with the XYZ color 24.4776, 31.7212,

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

24.4776, 31.7212, 44.3679

Protanopia

30.5299, 31.3929, 39.5723

Deuteranopia

32.0433, 31.3227, 45.9520



Tritanopia

24.9675, 31.6501, 46.9126

Trichromacy



Original Color

24.4776, 31.7212, 44.3679

Protanomaly

27.4677, 31.0026, 41.0956

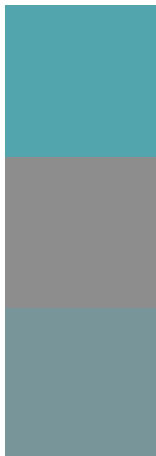
Deuteranomaly

28.2942, 30.8350, 45.5348

Tritanomaly

24.6792, 31.5245, 45.8584

Monochromacy



Original Color

24.4776, 31.7212, 44.3679

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.4018, 28.1057, 34.2758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4776, 31.7212, 44.3679 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(82, 165, 173)` looks like.

```
.text, #text, p{  
    color:rgb(82, 165, 173)  
}
```

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(82, 165, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 165, 173) }
```

Border

The CSS property to change the border of an element to XYZ 24.4776, 31.7212, 44.3679 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(82, 165, 173) }
```


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

```
.border{ border-color:rgb(82, 165, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 165, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 165, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 165, 173);  
box-shadow:4px 4px 4px 4px rgb(82, 165,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4776, 31.7212, 44.3679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 165, 173) }
```

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

```
.background{ background-color: rgb(82, 165,  
173) }
```

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