

Converting Colors

XYZ(25.6277, 36.0544, 47.8998)

Have a look what the booklet for
XYZ(25.6277, 36.0544, 47.8998)
contains.

XYZ(25.4776, 35.8394, 47.6944)	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(25.4776, 35.8394,
47.6944)**

Conversions

Conversions Part 1

Format	Color
Hex	36B2B2
RGB	54, 178, 178
RGB Percent	21%, 70%, 70%
CMY	0.7882, 0.3020, 0.3020
CMYK	0.70, 0.00, 0.00, 0.30
HSL	180°, 53%, 45%
HSV	180°, 70%, 70%
XYZ	25.4776, 35.8394, 47.6944
YIQ	140.9240, -73.9040, -26.2880

Conversions

Conversions Part 2

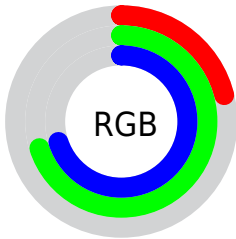
Format	Color
RYB	54, 116, 178
Decimal	3584690
CIELab	66.40, -32.77, -9.83
CIELCh	66, 34.215, 196.692
Yxy	35.8394, 0.2337, 0.3288
Android (android.graphics.Color)	4281774770 (0xFF36B2B2)
YUV	140.9240, 18.2785, -76.2323
Hunter-Lab	59.8660, -28.8000, -5.3293

Details

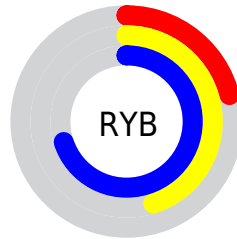
The XYZ color **25.4776, 35.8394, 47.6944** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **20.3463, 12.3708, 4.8066**, and the grayscale version is **25.2404, 26.5548, 28.9182**.

A 20% lighter version of the original color is **51.8819, 68.7081, 88.3694**, and **11.0353, 16.1479, 21.9373** is the 20% darker color. If you saturate the color by 10%, you get **24.6917, 35.4351, 47.6583**, and if you desaturate by 10%, it is **26.6152, 36.4266, 47.7485**.

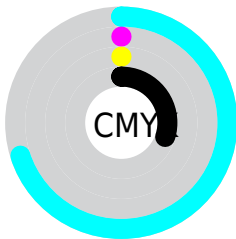
Distribution



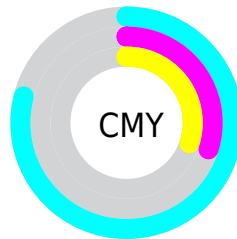
- Red (21%)
- Green (70%)
- Blue (70%)



- Red (21%)
- Yellow (45%)
- Blue (70%)



- Cyan (70%)
- Magenta (0%)
- Yellow (0%)
- Black (30%)



- Cyan (79%)
- Magenta (30%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.4776, 35.8394, 47.6944 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 25.4776, 35.8394, 47.6944 by changing the saturation by 10% instead.

■ 25.4776, 35.8394,
47.6944

■ 25.4776, 35.8394,
47.6944

272.5121,
328.2580, 394.0532

■ 16.5639, 24.3102,
33.2267

■ 51.8683, 68.7841,
88.1100

■ 10.0174, 15.5639,
22.0276

■ 70.0760, 90.9684,
114.8950

■ 5.4729, 9.2161,
13.6787

■ 92.1124, 117.4732,
146.6228

■ 2.5649, 4.8824,
7.7613

■ 118.3428,
148.6828, 183.7120

■ 0.9281, 2.1784,
3.8570

■ 149.1326,
184.9817, 226.5811

■ 0.0000, 0.7082,
1.5472

184.8472,

■ 0.0000, 0.0000,

226.7543, 275.6486

0.2528

225.8519,
274.3850, 331.3332

■ 0.0000, 0.0000,
0.0000

■ 25.4776, 35.8394,
47.6944

■ 25.4776, 35.8394,
47.6944

■ 24.6917, 35.4351,
47.6583

■ 26.6152, 36.4266,
47.7485

■ 24.2140, 35.1888,
47.6359

■ 28.1354, 37.2104,
47.8198

■ 23.9645, 35.0602,
47.6241

■ 30.0697, 38.2075,
47.9104

■ 23.9569, 35.0562,
47.6237

■ 32.4450, 39.4320,
48.0217

■ 35.2863, 40.8968,
48.1548

■ 38.6166, 42.6136,
48.3107

■ 42.4574, 44.5936,
48.4906

■ 46.8288, 46.8471,
48.6953

■ 51.7501, 49.3841,
48.9257

Harmonies

Analogous

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



25.3538, 35.8394, 32.8859



25.4776, 35.8394, 47.6944



27.7478, 35.8394, 63.3456

Triad

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



25.4776, 35.8394, 47.6944



41.7421, 35.8394, 61.7335



36.3811, 35.8394, 17.5134

Complementary

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



25.4776, 35.8394, 47.6944



20.3463, 12.3708, 4.8066

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.



41.2732, 35.8394, 21.8918



25.4776, 35.8394, 47.6944



44.5711, 35.8394, 45.8797

Square

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



25.4776, 35.8394, 47.6944



36.9709, 35.8394, 72.7396



44.3913, 35.8394, 31.4720



31.3141, 35.8394, 17.7672

Rectangle

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



25.4776, 35.8394, 47.6944



30.3155, 35.8394, 71.0668



44.3913, 35.8394, 31.4720



38.1101, 35.8394, 18.4341

Sweetspot

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



25.4787, 35.8408, 47.6953



63.0477, 73.6769, 87.2789



18.2220, 32.9512, 8.8908



13.6470, 16.1575, 19.3216



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



25.4787, 35.8408, 47.6953



44.2105, 63.9660, 86.3961



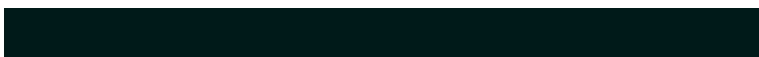
16.0448, 16.9727, 44.5513



8.7427, 9.6316, 10.9046



17.1409, 25.0823, 34.0742



0.5393, 0.7892, 1.0721

Inverse Universe

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



20.3463, 12.3708, 4.8066



34.2965, 18.6297, 3.5493



25.0371, 21.7525, 6.3700



8.4964, 8.5053, 8.8464



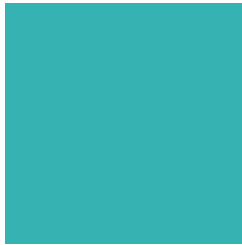
13.1369, 6.7723, 0.6148



0.4133, 0.2131, 0.0194

Previews

White Background



This preview shows how the XYZ color 25.4776, 35.8394, 47.6944 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 25.4776, 35.8394, 47.6944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

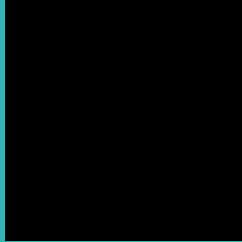
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.4776, 35.8394, 47.6944

Background



This preview shows how black text looks on a background with the XYZ color 25.4776, 35.8394, 47.6944.

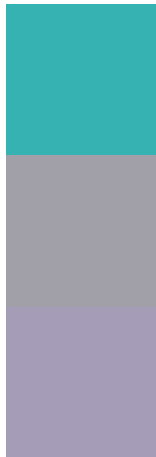


This preview shows how white text looks on a background with the XYZ color 25.4776, 35.8394,

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

25.4776, 35.8394, 47.6944

Protanopia

34.0711, 35.1634, 41.5507

Deuteranopia

35.9528, 35.1952, 49.6982



Tritanopia

26.7441, 35.7605, 54.2081

Trichromacy



Original Color

25.4776, 35.8394, 47.6944



Protanomaly

29.0129, 34.3503, 43.6292



Deuteranomaly

30.0734, 34.2471, 48.7414



Tritanomaly

26.3300, 35.8890, 51.9939

Monochromacy



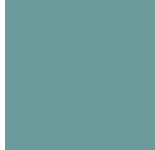
Original Color

25.4776, 35.8394, 47.6944



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

23.6950, 28.6955, 34.8618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.4776, 35.8394, 47.6944 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(54, 178, 178)` looks like.

```
.text, #text, p{  
    color:rgb(54, 178, 178)  
}
```

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(54, 178, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 178, 178) }
```

Border

The CSS property to change the border of an element to XYZ 25.4776, 35.8394, 47.6944 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(54, 178, 178) }
```


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

```
.border{ border-color:rgb(54, 178, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 178, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 178, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 178, 178);  
box-shadow:4px 4px 4px 4px rgb(54, 178,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 25.4776, 35.8394, 47.6944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 178, 178) }
```

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

```
.background{ background-color: rgb(54, 178,  
178) }
```

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