

Converting Colors

XYZ(24.9167, 33.6152, 37.6077)

Have a look what the booklet for
XYZ(24.9167, 33.6152, 37.6077)
contains.

XYZ(24.9509, 33.7681, 37.5506)	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(24.9509, 33.7681,
37.5506)**

Conversions

Conversions Part 1

Format	Color
Hex	5AAB9E
RGB	90, 171, 158
RGB Percent	35%, 67%, 62%
CMY	0.6470, 0.3294, 0.3804
CMYK	0.47, 0.00, 0.08, 0.33
HSL	170°, 33%, 51%
HSV	170°, 47%, 67%
XYZ	24.9509, 33.7681, 37.5506
YIQ	145.2990, -44.1030, -21.2150

Conversions

Conversions Part 2

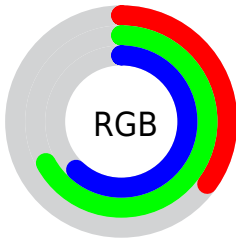
Format	Color
RYB	90, 134, 171
Decimal	5942174
CIELab	64.78, -28.03, -0.98
CIELCh	65, 28.049, 182.005
Yxy	33.7681, 0.2592, 0.3508
Android (android.graphics.Color)	4284132254 (0xFF5AAB9E)
YUV	145.2990, 6.2616, -48.4972
Hunter-Lab	58.1103, -25.0503, 2.3643

Details

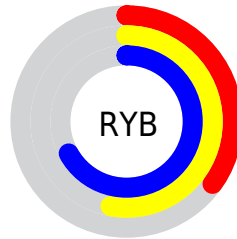
The XYZ color **24.9509, 33.7681, 37.5506** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **22.9001, 16.9504, 14.8980**, and the grayscale version is **27.0242, 28.4316, 30.9620**.

A 20% lighter version of the original color is **51.1564, 65.7620, 72.9479**, and **9.7279, 14.3255, 16.1623** is the 20% darker color. If you saturate the color by 10%, you get **23.2417, 32.9148, 36.2516**, and if you desaturate by 10%, it is **27.0499, 34.8234, 38.8969**.

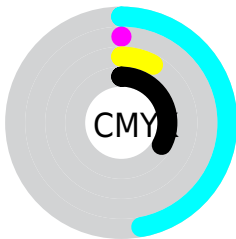
Distribution



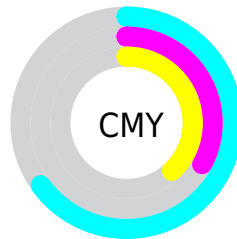
- Red (35%)
- Green (67%)
- Blue (62%)



- Red (35%)
- Yellow (53%)
- Blue (67%)



- Cyan (47%)
- Magenta (0%)
- Yellow (8%)
- Black (33%)



- Cyan (65%)
- Magenta (33%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9509, 33.7681, 37.5506 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 24.9509, 33.7681, 37.5506 by changing the saturation by 10% instead.

■ 24.9509, 33.7681,
37.5506

■ 24.9509, 33.7681,
37.5506

269.9455,
319.0968, 350.9284

■ 16.1690, 22.7155,
25.3350

■ 51.0210, 65.5729,
72.6146

■ 9.7354, 14.3836,
16.1055

■ 69.0400, 87.0939,
96.3000

■ 5.2848, 8.3879,
9.4437

■ 90.8687, 112.8731,
124.6457

■ 2.4518, 4.3442,
4.9309

■ 116.8724,
143.2950, 158.0703

■ 0.8710, 1.8679,
2.1488

147.4166,
178.7439, 196.9924

■ 0.0000, 0.5290,
0.6446

182.8666,

■ 0.0000, 0.0000,

219.6042, 241.8304

0.0000

223.5878,
266.2604, 293.0029

■ 24.9509, 33.7681,
37.5506

■ 24.9509, 33.7681,
37.5506

■ 23.2417, 32.9148,
36.2516

■ 27.0499, 34.8234,
38.8969

■ 21.8928, 32.2458,
34.9961

■ 29.5600, 36.0892,
40.2894

■ 20.8752, 31.7470,
33.7833

■ 32.5043, 37.5782,
41.7301

■ 20.1538, 31.4003,
32.6114

■ 35.9033, 39.3010,
43.2202

■ 19.6751, 31.1781,
31.4777

■ 39.7762, 41.2674,
44.7607

■ 19.5635, 31.1270,
31.1844

■ 44.1411, 43.4869,
46.3526

■ 49.0152, 45.9682,
47.9969

■ 54.4148, 48.7199,
49.6946

■ 60.3555, 51.7498,
51.4465

Harmonies

Analogous

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



25.7220, 33.7681, 27.2950



24.9509, 33.7681, 37.5506



25.9569, 33.7681, 49.8430

Triad

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



24.9509, 33.7681, 37.5506



36.3847, 33.7681, 59.0063



35.8759, 33.7681, 20.4337

Complementary

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



24.9509, 33.7681, 37.5506



22.9001, 16.9504, 14.8980

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.



39.1329, 33.7681, 26.2059



24.9509, 33.7681, 37.5506



39.4435, 33.7681, 48.2119

Square

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



24.9509, 33.7681, 37.5506



32.3678, 33.7681, 63.7373



40.4885, 33.7681, 35.9958



31.8249, 33.7681, 18.7352

Rectangle

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



24.9509, 33.7681, 37.5506



27.5535, 33.7681, 57.2002



40.4885, 33.7681, 35.9958



37.1113, 33.7681, 21.8925

Sweetspot

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



24.9519, 33.7694, 37.5514



60.0216, 68.2149, 75.5566



22.0604, 32.7786, 14.8377



13.1110, 15.0734, 16.7255



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.



24.9519, 33.7694, 37.5514



41.4497, 58.8601, 64.7760



21.5414, 25.0616, 42.2316



8.1803, 9.0497, 9.9743



14.7636, 23.4707, 23.5927



0.4252, 0.6587, 0.7328

Inverse Universe

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



22.9001, 16.9504, 14.8980



37.3408, 25.0156, 19.2900



25.0025, 22.1198, 12.6253



8.0557, 8.0355, 8.6043



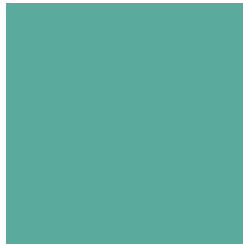
12.8271, 6.5934, 1.4689



0.3724, 0.1896, 0.1228

Previews

White Background



This preview shows how the XYZ color 24.9509, 33.7681, 37.5506 looks on a white background.

Color Contrast Check

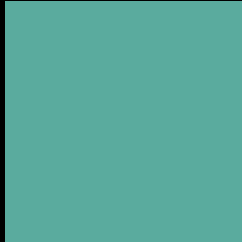
Large Text (above 18pt) WCAG AA × Fail

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 24.9509, 33.7681, 37.5506 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 24.9509, 33.7681, 37.5506

Background



This preview shows how black text looks on a background with the XYZ color 24.9509, 33.7681, 37.5506.



This preview shows how white text looks on a background with the XYZ color 24.9509, 33.7681,

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

24.9509, 33.7681, 37.5506

Protanopia

32.0112, 33.5239, 33.2174

Deuteranopia

34.1120, 33.5001, 38.8507



Tritanopia

27.2729, 33.8828, 48.8187

Trichromacy



Original Color

24.9509, 33.7681, 37.5506

Protanomaly

28.4040, 32.9076, 34.5605

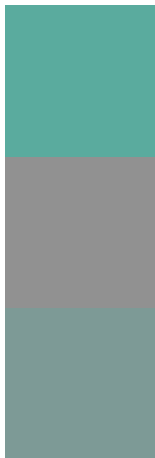
Deuteranomaly

29.6464, 32.9449, 38.5147

Tritanomaly

26.3469, 33.7727, 44.6653

Monochromacy



Original Color

24.9509, 33.7681, 37.5506

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

25.5181, 29.6732, 33.2367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9509, 33.7681, 37.5506 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(90, 171, 158)` looks like.

```
.text, #text, p{  
    color:rgb(90, 171, 158)  
}
```

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(90, 171, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 171, 158) }
```

Border

The CSS property to change the border of an element to XYZ 24.9509, 33.7681, 37.5506 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(90, 171, 158) }
```


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

```
.border{ border-color:rgb(90, 171, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 171, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 171, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 171, 158);  
box-shadow:4px 4px 4px 4px rgb(90, 171,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9509, 33.7681, 37.5506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 171, 158) }
```

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

```
.background{ background-color: rgb(90, 171,  
158) }
```

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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