

Converting Colors

XYZ(13.6430, 23.0320, 41.3092)

Have a look what the booklet for
XYZ(13.6430, 23.0320, 41.3092)
contains.

XYZ(18.5527, 25.6470, 41.5087)	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(18.5527, 25.6470,
41.5087)**

Conversions

Conversions Part 1

Format	Color
Hex	0099A9
RGB	0, 153, 169
RGB Percent	0%, 60%, 66%
CMY	0.9999, 0.4000, 0.3373
CMYK	1.00, 0.09, 0.00, 0.34
HSL	186°, 100%, 33%
HSV	186°, 100%, 66%
XYZ	18.5527, 25.6470, 41.5087
YIQ	109.0770, -96.3240, -27.4600

Conversions

Conversions Part 2

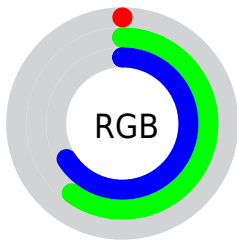
Format	Color
RYB	0, 80, 169
Decimal	39337
CIELab	57.70, -27.63, -17.95
CIELCh	58, 32.951, 213.005
Yxy	25.6470, 0.2165, 0.2992
Android (android.graphics.Color)	4278229417 (0xFF0099A9)
YUV	109.0770, 29.5420, -95.6605
Hunter-Lab	50.6429, -23.2327, -13.1462

Details

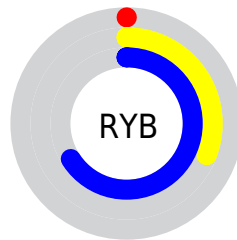
The XYZ color **18.5527, 25.6470, 41.5087** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.5484, 8.8068, 0.8287**, and the grayscale version is **14.4993, 15.2544, 16.6121**.

A 20% lighter version of the original color is **40.5246, 52.8207, 78.5806**, and **7.8646, 10.5917, 18.4595** is the 20% darker color. If you saturate the color by 10%, you get **18.5525, 25.6466, 41.5091**, and if you desaturate by 10%, it is **19.0468, 26.2937, 41.6080**.

Distribution



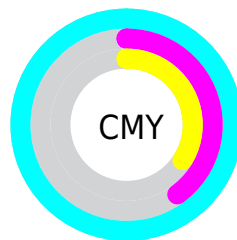
- Red (0%)
- Green (60%)
- Blue (66%)



- Red (0%)
- Yellow (31%)
- Blue (66%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (34%)



- Cyan (100%)
- Magenta (40%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5527, 25.6470, 41.5087 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 18.5527, 25.6470, 41.5087 by changing the saturation by 10% instead.

■ 18.5527, 25.6470,
41.5087

■ 18.5527, 25.6470,
41.5087

■ 236.9540,
281.0449, 368.1817

■ 11.4496, 16.5597,
28.3941

■ 40.4996, 52.7049,
78.7176

■ 6.4396, 9.9211,
18.3813

■ 56.0742, 71.4444,
103.6489

■ 3.1574, 5.3467,
11.0518

■ 75.2032, 94.1700,
133.3562

■ 1.2375, 2.4521,
5.9871

■ 98.2522, 121.2662,
168.2581

■ 0.1357, 0.8525,
2.7686

■ 125.5864,
153.1175, 208.7730

■ 0.0000, 0.0000,
0.9777

■ 157.5712,

■ 0.0000, 0.0000,

190.1080, 255.3196

0.0000

194.5719,
232.6224, 308.3163

■ 18.5527, 25.6470,
41.5087

■ 18.5527, 25.6470,
41.5087

■ 18.5525, 25.6466,
41.5091

■ 19.0468, 26.2937,
41.6080

■ 19.7383, 27.0468,
41.7169

■ 20.7067, 27.9480,
41.8398

■ 21.9876, 29.0156,
41.9784

■ 23.6113, 30.2651,
42.1340

■ 25.6042, 31.7103,
42.3079

■ 27.9904, 33.3636,
42.5012

■ 30.7919, 35.2363,
42.7150

■ 34.0288, 37.3389,
42.9503

Harmonies

Analogous

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



17.5593, 25.6470, 29.0796



18.5527, 25.6470, 41.5087



21.0931, 25.6470, 52.0994

Triad

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



18.5527, 25.6470, 41.5087



31.7796, 25.6470, 38.9923



23.9812, 25.6470, 11.3640

Complementary

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



18.5527, 25.6470, 41.5087



16.5484, 8.8068, 0.8287

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.



27.9845, 25.6470, 12.6963



18.5527, 25.6470, 41.5087



32.7634, 25.6470, 26.8018

Square

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



18.5527, 25.6470, 41.5087



28.7464, 25.6470, 50.3926



31.3074, 25.6470, 17.6847



20.4739, 25.6470, 13.3816

Rectangle

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



18.5527, 25.6470, 41.5087



23.4645, 25.6470, 55.5135



31.3074, 25.6470, 17.6847



25.3122, 25.6470, 11.4365

Sweetspot

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



18.5535, 25.6479, 41.5093



49.8710, 59.5763, 76.0960



14.2687, 28.4086, 5.1510



10.4789, 12.7168, 16.5544



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.5535, 25.6479, 41.5093



33.1422, 45.7633, 74.3115



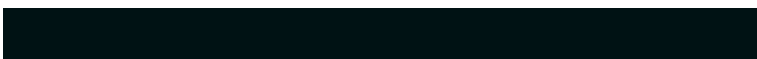
9.3796, 7.3001, 38.4514



7.6859, 8.4088, 9.6363



13.8480, 19.1563, 30.9432



0.3538, 0.4999, 0.7585

Inverse Universe

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



22.1127, 10.7359, 31.0446



39.5586, 19.2086, 55.3727



20.7865, 17.2830, 2.2414



7.8108, 7.6542, 9.3210



16.4904, 8.0049, 23.1920



0.4098, 0.1982, 0.6092

Previews

White Background



This preview shows how the XYZ color 18.5527, 25.6470, 41.5087 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5527, 25.6470, 41.5087 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 × Fail

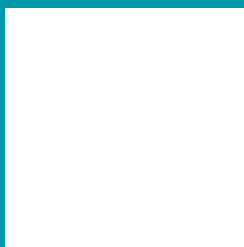
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.5527, 25.6470, 41.5087

Background



This preview shows how black text looks on a background with the XYZ color 18.5527, 25.6470, 41.5087.

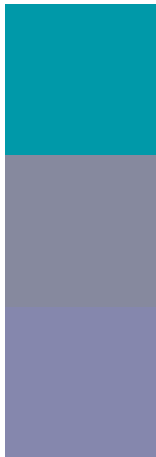


This preview shows how white text looks on a background with the XYZ color 18.5527, 25.6470,

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

18.5527, 25.6470, 41.5087

Protanopia

24.9487, 25.4283, 35.9410

Deuteranopia

25.8797, 25.3316, 43.0606



Tritanopia

18.2742, 25.5356, 40.0421

Trichromacy



Original Color

18.5527, 25.6470, 41.5087

Protanomaly

20.0904, 24.1849, 37.7917

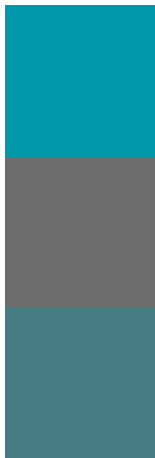
Deuteranomaly

20.8657, 24.2559, 42.6118

Tritanomaly

18.3663, 25.5725, 40.5272

Monochromacy



Original Color

18.5527, 25.6470, 41.5087

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.8846, 17.5711, 24.1325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5527, 25.6470, 41.5087 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(0, 153, 169)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 169)  
}
```

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(0, 153, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 169) }
```

Border

The CSS property to change the border of an element to XYZ 18.5527, 25.6470, 41.5087 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(0, 153, 169) }
```


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

```
.border{ border-color:rgb(0, 153, 169) }
```

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

Here you see how a box with a 4 pixel rgb(0, 153, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 169);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5527, 25.6470, 41.5087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 169) }
```

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

```
.background{ background-color: rgb(0, 153,  
169) }
```

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