

Converting Colors

XYZ(16.1800, 24.9649, 24.2968)

Have a look what the booklet for
XYZ(16.1800, 24.9649, 24.2968)
contains.

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Color

**XYZ(16.2512, 25.0818,
24.4068)**

Conversions

Conversions Part 1

Format	Color
Hex	269A80
RGB	38, 154, 128
RGB Percent	15%, 60%, 50%
CMY	0.8510, 0.3961, 0.4980
CMYK	0.75, 0.00, 0.17, 0.40
HSL	167°, 60%, 38%
HSV	167°, 75%, 60%
XYZ	16.2512, 25.0818, 24.4068
YIQ	116.3520, -60.7900, -32.6780

Conversions

Conversions Part 2

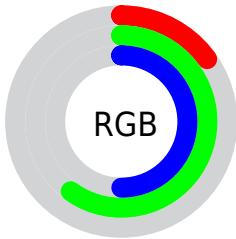
Format	Color
R_{YB}	38, 103, 154
Decimal	2529920
CIE _{Lab}	57.16, -37.81, 4.64
CIE _{LCh}	57, 38.092, 173.007
Y _{xy}	25.0818, 0.2472, 0.3815
Android (android.graphics.Color)	4280720000 (0xFF269A80)
YUV	116.3520, 5.7425, -68.7147
Hunter-Lab	50.0817, -29.7209, 6.1629

Details

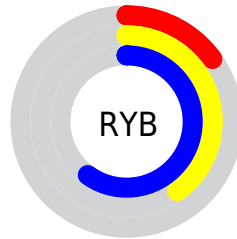
The XYZ color **16.2512, 25.0818, 24.4068** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.9458, 8.6271, 5.7289**, and the grayscale version is **16.7056, 17.5756, 19.1398**.

A 20% lighter version of the original color is **36.6204, 51.7619, 51.7770**, and **6.1627, 10.0673, 9.0155** is the 20% darker color. If you saturate the color by 10%, you get **15.5733, 24.7588, 23.2095**, and if you desaturate by 10%, it is **17.1731, 25.5310, 25.6570**.

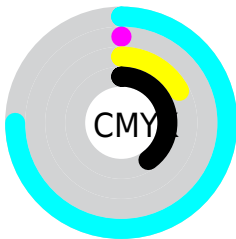
Distribution



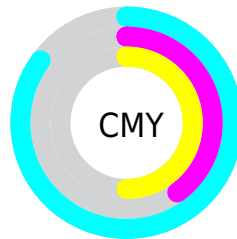
- Red (15%)
- Green (60%)
- Blue (50%)



- Red (15%)
- Yellow (40%)
- Blue (60%)



- Cyan (75%)
- Magenta (0%)
- Yellow (17%)
- Black (40%)



- Cyan (85%)
- Magenta (40%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2512, 25.0818, 24.4068 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 16.2512, 25.0818, 24.4068 by changing the saturation by 10% instead.

■ 16.2512, 25.0818,
24.4068

■ 16.2512, 25.0818,
24.4068

■ 224.0608,
278.2451, 288.2232

■ 9.7941, 16.1380,
15.4207

■ 36.5877, 51.7899,
51.6454

■ 5.3238, 9.6219,
8.9653

■ 51.1977, 70.3230,
70.7349

■ 2.4752, 5.1490,
4.6220

■ 69.2561, 92.8213,
94.0293

■ 0.8828, 2.3349,
1.9724

■ 91.1283, 119.6692,
121.9471

■ 0.0000, 0.7921,
0.5382

■ 117.1794,
151.2512, 154.9068

■ 0.0000, 0.0000,
0.0000

■ 147.7750,

187.9516, 193.3271

183.2804,
230.1547, 237.6264

■ 16.2512, 25.0818,
24.4068

■ 16.2512, 25.0818,
24.4068

■ 15.5733, 24.7588,
23.2095

■ 17.1731, 25.5310,
25.6570

■ 15.1034, 24.5414,
22.0613

■ 18.3630, 26.1168,
26.9599

■ 14.9149, 24.4556,
21.5393

■ 19.8440, 26.8517,
28.3176

■ 21.6363, 27.7462,
29.7314

■ 23.7581, 28.8097,
31.2025

■ 26.2264, 30.0509,
32.7321

■ 29.0568, 31.4778,
34.3212

■ 32.2641, 33.0980,
35.9710

■ 35.8622, 34.9187,
37.6824

Harmonies

Analogous

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



17.5833, 25.0818, 14.9630



16.2512, 25.0818, 24.4068



16.7385, 25.0818, 38.1672

Triad

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



16.2512, 25.0818, 24.4068



27.3782, 25.0818, 57.0030



29.4252, 25.0818, 11.9308

Complementary

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



16.2512, 25.0818, 24.4068



14.9458, 8.6271, 5.7289

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.



32.7090, 25.0818, 18.7356



16.2512, 25.0818, 24.4068



31.4274, 25.0818, 45.0679

Square

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



16.2512, 25.0818, 24.4068



22.8030, 25.0818, 59.9669



33.4843, 25.0818, 30.4344



24.9069, 25.0818, 9.3768

Rectangle

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



16.2512, 25.0818, 24.4068



18.0632, 25.0818, 47.9025



33.4843, 25.0818, 30.4344



30.7320, 25.0818, 13.6705

Sweetspot

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



16.2519, 25.0828, 24.4074



43.9427, 52.7279, 57.1887



14.0906, 24.3783, 5.7970



9.6253, 11.7736, 12.7348



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.2519, 25.0828, 24.4074



27.6994, 44.7002, 40.7984



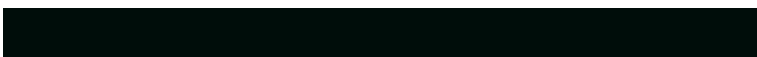
13.7241, 16.9286, 33.1172



6.3253, 7.0028, 7.6364



12.1649, 19.9294, 17.6207



0.1949, 0.3032, 0.3323

Inverse Universe

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



14.9458, 8.6271, 5.7289



25.2978, 13.3200, 5.6223



15.8011, 11.2588, 3.1745



6.2627, 6.2442, 6.7634



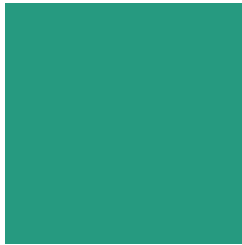
11.1105, 5.6984, 1.8411



0.1780, 0.0899, 0.0900

Previews

White Background



This preview shows how the XYZ color 16.2512, 25.0818, 24.4068 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 16.2512, 25.0818, 24.4068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

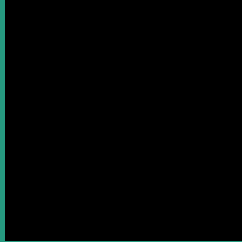
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.2512, 25.0818, 24.4068

Background



This preview shows how black text looks on a background with the XYZ color 16.2512, 25.0818, 24.4068.

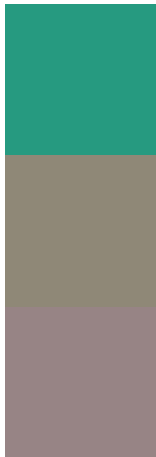


This preview shows how white text looks on a background with the XYZ color 16.2512, 25.0818,

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

16.2512, 25.0818, 24.4068

Protanopia

23.4616, 24.7799, 20.9992

Deuteranopia

25.2474, 24.7753, 25.6417



Tritanopia

18.8678, 24.9380, 37.5373

Trichromacy



Original Color

16.2512, 25.0818, 24.4068



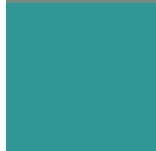
Protanomaly

19.1610, 24.0533, 22.0452



Deuteranomaly

19.9052, 23.7099, 25.0001



Tritanomaly

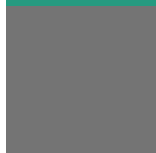
17.8068, 24.9813, 32.3171

Monochromacy



Original Color

16.2512, 25.0818, 24.4068



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

15.3973, 19.3960, 20.7016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2512, 25.0818, 24.4068 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(38, 154, 128)` looks like.

```
.text, #text, p{  
    color:rgb(38, 154, 128)  
}
```

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(38, 154, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 154, 128) }
```

Border

The CSS property to change the border of an element to XYZ 16.2512, 25.0818, 24.4068 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(38, 154, 128) }
```


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

```
.border{ border-color:rgb(38, 154, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 154, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 154, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 154, 128);  
box-shadow:4px 4px 4px 4px rgb(38, 154,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2512, 25.0818, 24.4068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 154, 128) }
```

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

```
.background{ background-color: rgb(38, 154,  
128) }
```

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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