

Converting Colors

XYZ(16.7977, 26.0395, 20.4544)

Have a look what the booklet for
XYZ(16.7977, 26.0395, 20.4544)
contains.

XYZ(16.7279, 25.9143, 20.3400)	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(16.7279, 25.9143,
20.3400)**

Conversions

Conversions Part 1

Format	Color
Hex	3A9C73
RGB	58, 156, 115
RGB Percent	23%, 61%, 45%
CMY	0.7725, 0.3882, 0.5490
CMYK	0.63, 0.00, 0.26, 0.39
HSL	155°, 46%, 42%
HSV	155°, 63%, 61%
XYZ	16.7279, 25.9143, 20.3400
YIQ	122.0240, -45.2470, -33.5270

Conversions

Conversions Part 2

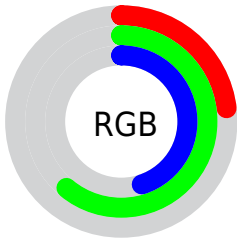
Format	Color
RYB	58, 120, 156
Decimal	3841139
CIELab	57.96, -38.57, 13.18
CIElCh	58, 40.762, 161.135
Yxy	25.9143, 0.2656, 0.4115
Android (android.graphics.Color)	4282031219 (0xFF3A9C73)
YUV	122.0240, -3.4628, -56.1490
Hunter-Lab	50.9061, -30.4300, 11.9444

Details

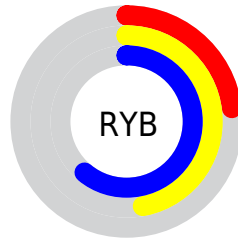
The XYZ color **16.7279, 25.9143, 20.3400** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.4763, 10.9955, 13.0065**, and the grayscale version is **18.5286, 19.4936, 21.2285**.

A 20% lighter version of the original color is **37.3395, 53.0234, 44.8258**, and **5.9634, 10.3059, 6.9851** is the 20% darker color. If you saturate the color by 10%, you get **15.5924, 25.3715, 18.3956**, and if you desaturate by 10%, it is **18.1662, 26.6115, 22.4386**.

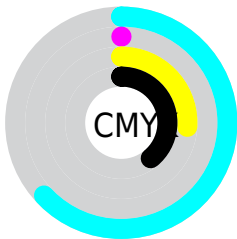
Distribution



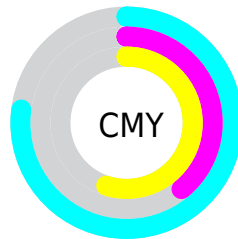
- Red (23%)
- Green (61%)
- Blue (45%)



- Red (23%)
- Yellow (47%)
- Blue (61%)



- Cyan (63%)
- Magenta (0%)
- Yellow (26%)
- Black (39%)



- Cyan (77%)
- Magenta (39%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7279, 25.9143, 20.3400 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 16.7279, 25.9143, 20.3400 by changing the saturation by 10% instead.

■ 16.7279, 25.9143,
20.3400

■ 16.7279, 25.9143,
20.3400

226.7864,
282.3611, 266.4147

■ 10.1348, 16.7595,
12.4559

■ 37.4047, 53.1367,
44.8529

■ 5.5514, 10.0632,
6.9287

■ 52.2190, 71.9730,
62.3188

■ 2.6123, 5.4409,
3.3398

■ 70.5045, 94.8054,
83.8158

■ 0.9522, 2.5082,
1.2706

■ 92.6265, 122.0182,
109.7623

■ 0.0000, 0.8807,
0.0375

■ 118.9503,
153.9958, 140.5769

■ 0.0000, 0.0000,
0.0000

149.8413,

191.1225, 176.6781

185.6649,
233.7828, 218.4845

■ 16.7279, 25.9143,
20.3400

■ 16.7279, 25.9143,
20.3400

■ 15.5924, 25.3715,
18.3956

■ 18.1662, 26.6115,
22.4386

■ 14.7314, 24.9665,
16.5994

■ 19.9282, 27.4717,
24.6934

■ 14.1144, 24.6843,
14.9478

■ 22.0353, 28.5068,
27.1086

■ 13.7658, 24.5287,
13.8466

■ 24.5066, 29.7262,
29.6879

■ 27.3594, 31.1390,
32.4344

■ 30.6101, 32.7536,
35.3516

■ 34.2741, 34.5779,
38.4425

■ 38.3659, 36.6192,
41.7101

■ 42.8994, 38.8847,
45.1575

Harmonies

Analogous

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



18.9233, 25.9143, 12.3488



16.7279, 25.9143, 20.3400



16.4745, 25.9143, 33.7716

Triad

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



16.7279, 25.9143, 20.3400



26.5010, 25.9143, 63.9656



32.4544, 25.9143, 13.8961

Complementary

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



16.7279, 25.9143, 20.3400



17.4763, 10.9955, 13.0065

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.



35.1133, 25.9143, 23.3062



16.7279, 25.9143, 20.3400



31.3840, 25.9143, 53.8977

Square

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



16.7279, 25.9143, 20.3400



21.7003, 25.9143, 62.3502



34.6974, 25.9143, 37.9013



27.8139, 25.9143, 9.5746

Rectangle

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



16.7279, 25.9143, 20.3400



17.3961, 25.9143, 44.6483



34.6974, 25.9143, 37.9013



33.6358, 25.9143, 16.4098

Sweetspot

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



16.7286, 25.9153, 20.3406



46.2137, 54.8323, 55.6028



17.9603, 26.8196, 8.2334



9.8775, 11.9213, 11.9481



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.



16.7286, 25.9153, 20.3406



27.6909, 45.7826, 32.1839



18.5679, 24.9438, 35.2897



6.7043, 7.4625, 7.8777



11.3559, 20.2103, 11.4974



0.2238, 0.3697, 0.3151

Inverse Universe

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



17.4763, 10.9955, 13.0065



29.1809, 16.4431, 17.8590



16.3384, 11.1012, 5.2849



6.7424, 6.6899, 7.4947



12.1020, 6.1454, 4.7879



0.2370, 0.1181, 0.1941

Previews

White Background



This preview shows how the XYZ color 16.7279, 25.9143, 20.3400 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 16.7279, 25.9143, 20.3400 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 16.7279, 25.9143, 20.3400

Background



This preview shows how black text looks on a background with the XYZ color 16.7279, 25.9143, 20.3400.



This preview shows how white text looks on a background with the XYZ color 16.7279, 25.9143,

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

16.7279, 25.9143, 20.3400

Protanopia

23.9551, 25.5344, 17.5760

Deuteranopia

25.8782, 25.4002, 21.3081



Tritanopia

20.3296, 25.9172, 38.1135

Trichromacy



Original Color

16.7279, 25.9143, 20.3400



Protanomaly

20.0101, 25.0214, 18.5268



Deuteranomaly

20.8209, 24.4953, 20.7702



Tritanomaly

18.7933, 25.7660, 30.7709

Monochromacy



Original Color

16.7279, 25.9143, 20.3400



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

17.0005, 21.0348, 20.6169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7279, 25.9143, 20.3400 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(58, 156, 115)` looks like.

```
.text, #text, p{  
    color:rgb(58, 156, 115)  
}
```

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(58, 156, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 156, 115) }
```

Border

The CSS property to change the border of an element to XYZ 16.7279, 25.9143, 20.3400 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(58, 156, 115) }
```


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

```
.border{ border-color:rgb(58, 156, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 156, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 156, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 156, 115);  
box-shadow:4px 4px 4px 4px rgb(58, 156,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7279, 25.9143, 20.3400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 156, 115) }
```

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

```
.background{ background-color: rgb(58, 156,  
115) }
```

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