

Converting Colors

XYZ(20.3742, 29.3015, 40.6586)

Have a look what the booklet for
XYZ(20.3742, 29.3015, 40.6586)
contains.

XYZ(20.4469, 29.4528, 40.6837)	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(20.4469, 29.4528,
40.6837)**

Conversions

Conversions Part 1

Format	Color
Hex	14A4A6
RGB	20, 164, 166
RGB Percent	8%, 64%, 65%
CMY	0.9215, 0.3569, 0.3490
CMYK	0.88, 0.01, 0.00, 0.35
HSL	181°, 78%, 36%
HSV	181°, 88%, 65%
XYZ	20.4469, 29.4528, 40.6837
YIQ	121.1720, -86.4660, -29.9060

Conversions

Conversions Part 2

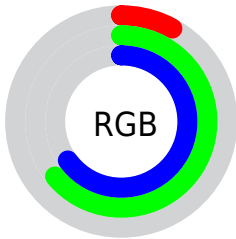
Format	Color
R_{YB}	20, 92, 166
Decimal	1352870
CIE _{Lab}	61.18, -33.07, -10.98
CIE _{LCh}	61, 34.851, 198.370
Yxy	29.4528, 0.2257, 0.3251
Android (android.graphics.Color)	4279542950 (0xFF14A4A6)
YUV	121.1720, 22.1002, -88.7278
Hunter-Lab	54.2704, -27.7217, -6.4573

Details

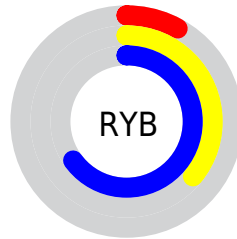
The XYZ color **20.4469, 29.4528, 40.6837** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.1398, 8.7322, 1.4975**, and the grayscale version is **18.1825, 19.1294, 20.8320**.

A 20% lighter version of the original color is **43.5283, 58.5361, 77.4110**, and **8.8314, 12.8032, 17.9254** is the 20% darker color. If you saturate the color by 10%, you get **20.1611, 29.2457, 40.6593**, and if you desaturate by 10%, it is **20.9490, 29.7727, 40.7195**.

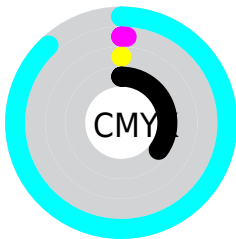
Distribution



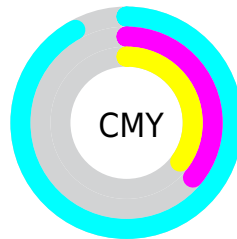
- Red (8%)
- Green (64%)
- Blue (65%)



- Red (8%)
- Yellow (36%)
- Blue (65%)



- Cyan (88%)
- Magenta (1%)
- Yellow (0%)
- Black (35%)



- Cyan (92%)
- Magenta (36%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4469, 29.4528, 40.6837 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 20.4469, 29.4528, 40.6837 by changing the saturation by 10% instead.

■ 20.4469, 29.4528,
40.6837

■ 20.4469, 29.4528,
40.6837

■ 247.1120,
299.3454, 364.6343

■ 12.8305, 19.4236,
27.7542

■ 43.6634, 58.7957,
77.4520

■ 7.3881, 11.9768,
17.9030

■ 59.9942, 78.8783,
102.1278

■ 3.7545, 6.7279,
10.7117

■ 79.9605, 103.0807,
131.5561

■ 1.5642, 3.2925,
5.7616

■ 103.9277,
131.7875, 166.1555

■ 0.3689, 1.2863,
2.6342

■ 132.2611,
165.3829, 206.3444

■ 0.0000, 0.1305,
0.9100

■ 165.3260,

■ 0.0000, 0.0000,

204.2515, 252.5415

0.0000

203.4879,
248.7775, 305.1653

■ 20.4469, 29.4528,
40.6837

■ 20.4469, 29.4528,
40.6837

■ 20.1611, 29.2457,
40.6593

■ 20.9490, 29.7727,
40.7195

■ 20.1099, 29.2070,
40.6546

■ 21.7202, 30.2308,
40.7673

■ 22.7941, 30.8451,
40.8293

■ 24.1987, 31.6300,
40.9067

■ 25.9590, 32.5983,
41.0009

■ 28.0974, 33.7617,
41.1127

■ 30.6346, 35.1307,
41.2432

■ 33.5896, 36.7153,
41.3934

■ 36.9805, 38.5247,
41.5639

Harmonies

Analogous

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



20.2305, 29.4528, 27.2532



20.4469, 29.4528, 40.6837



22.5466, 29.4528, 54.8303

Triad

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



20.4469, 29.4528, 40.6837



35.0986, 29.4528, 51.8891



29.8053, 29.4528, 13.1789

Complementary

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



20.4469, 29.4528, 40.6837



16.1398, 8.7322, 1.4975

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.



34.2549, 29.4528, 16.6817



20.4469, 29.4528, 40.6837



37.5260, 29.4528, 37.4213

Square

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



20.4469, 29.4528, 40.6837



30.8594, 29.4528, 62.4184



37.2014, 29.4528, 24.7654



25.3117, 29.4528, 13.6074

Rectangle

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



20.4469, 29.4528, 40.6837



24.8746, 29.4528, 61.6574



37.2014, 29.4528, 24.7654



31.3639, 29.4528, 13.8860

Sweetspot

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



20.4478, 29.4539, 40.6844



51.6185, 61.6118, 74.6470



14.0517, 27.4724, 5.2248



11.2372, 13.6174, 16.6883



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.



20.4478, 29.4539, 40.6844



36.4834, 52.9797, 73.7785



11.0872, 10.7326, 37.5642



7.7386, 8.5142, 9.6539



15.5970, 22.6542, 31.5261



0.3821, 0.5565, 0.7679

Inverse Universe

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



22.6777, 11.2885, 36.1067



40.6508, 19.5573, 65.1050



19.7678, 15.9882, 2.7069



7.8374, 7.6648, 9.4610



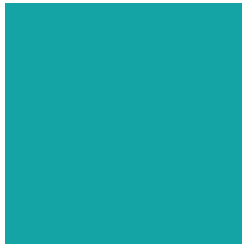
17.3732, 8.3580, 27.8407



0.4240, 0.2039, 0.6845

Previews

White Background



This preview shows how the XYZ color 20.4469, 29.4528, 40.6837 looks on a white background.

Color Contrast Check

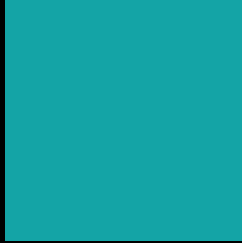
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4469, 29.4528, 40.6837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

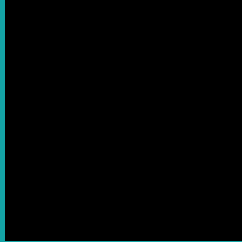
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4469, 29.4528, 40.6837

Background



This preview shows how black text looks on a background with the XYZ color 20.4469, 29.4528, 40.6837.

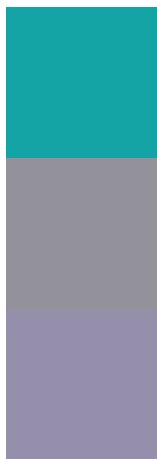


This preview shows how white text looks on a background with the XYZ color 20.4469, 29.4528,

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

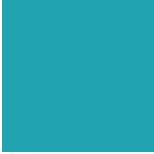
20.4469, 29.4528, 40.6837

Protanopia

28.2279, 29.1274, 35.1447

Deuteranopia

29.5676, 28.9748, 42.5624



Tritanopia

21.3840, 29.2986, 45.6024

Trichromacy



Original Color

20.4469, 29.4528, 40.6837

Protanomaly

23.0161, 28.0524, 37.0025

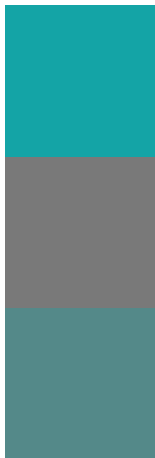
Deuteranomaly

23.7075, 27.8226, 41.6569

Tritanomaly

21.0225, 29.4198, 43.6003

Monochromacy



Original Color

20.4469, 29.4528, 40.6837

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.1172, 21.5823, 26.9305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4469, 29.4528, 40.6837 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(20, 164, 166)` looks like.

```
.text, #text, p{  
    color:rgb(20, 164, 166)  
}
```

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(20, 164, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 164, 166) }
```

Border

The CSS property to change the border of an element to XYZ 20.4469, 29.4528, 40.6837 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(20, 164, 166) }
```


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

```
.border{ border-color:rgb(20, 164, 166) }
```

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

Here you see how a box with a 4 pixel rgb(20, 164, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 164, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 164, 166);  
box-shadow:4px 4px 4px 4px rgb(20, 164,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4469, 29.4528, 40.6837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 164, 166) }
```

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

```
.background{ background-color: rgb(20, 164,  
166) }
```

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