

Converting Colors

XYZ(22.1635, 29.2155, 44.0062)

Have a look what the booklet for
XYZ(22.1635, 29.2155, 44.0062)
contains.

XYZ(22.1635, 29.2155, 44.0062)	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(22.1635, 29.2155,
44.0062)**

Conversions

Conversions Part 1

Format	Color
Hex	3FA0AD
RGB	63, 160, 173
RGB Percent	25%, 63%, 68%
CMY	0.7529, 0.3725, 0.3216
CMYK	0.64, 0.08, 0.00, 0.32
HSL	187°, 47%, 46%
HSV	187°, 64%, 68%
XYZ	22.1635, 29.2155, 44.0062
YIQ	132.4790, -61.9850, -16.5210

Conversions

Conversions Part 2

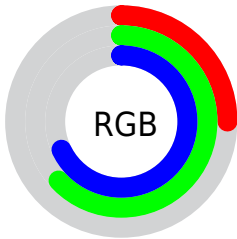
Format	Color
R_{YB}	63, 115, 173
Decimal	4169901
CIE _{Lab}	60.97, -24.02, -15.16
CIE _{LCh}	61, 28.404, 212.260
Yxy	29.2155, 0.2324, 0.3063
Android (android.graphics.Color)	4282359981 (0xFF3FA0AD)
YUV	132.4790, 19.9769, -60.9331
Hunter-Lab	54.0514, -21.3968, -10.4353

Details

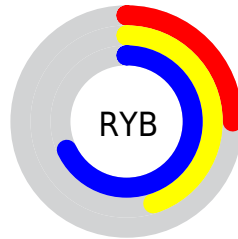
The XYZ color **22.1635, 29.2155, 44.0062** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.7159, 14.4127, 6.3935**, and the grayscale version is **22.0521, 23.2006, 25.2654**.

A 20% lighter version of the original color is **46.4724, 58.4133, 82.2243**, and **8.8138, 12.1056, 19.9612** is the 20% darker color. If you saturate the color by 10%, you get **20.8761, 28.0306, 43.8459**, and if you desaturate by 10%, it is **23.8056, 30.5932, 44.1861**.

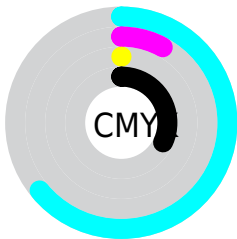
Distribution



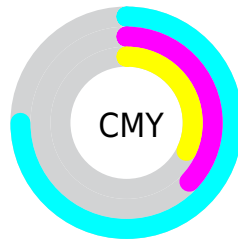
- Red (25%)
- Green (63%)
- Blue (68%)



- Red (25%)
- Yellow (45%)
- Blue (68%)



- Cyan (64%)
- Magenta (8%)
- Yellow (0%)
- Black (32%)



- Cyan (75%)
- Magenta (37%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1635, 29.2155, 44.0062 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 22.1635, 29.2155, 44.0062 by changing the saturation by 10% instead.

■ 22.1635, 29.2155,
44.0062

■ 22.1635, 29.2155,
44.0062

256.0153,
298.2304, 378.7757

■ 14.0944, 19.2439,
30.3382

■ 46.4929, 58.4193,
82.5296

■ 8.2685, 11.8466,
19.8412

■ 63.4839, 78.4203,
108.2221

■ 4.3205, 6.6393,
12.0967

■ 84.1796, 102.5332,
138.7598

■ 1.8850, 3.2376,
6.6862

■ 108.9453,
131.1424, 174.5613

■ 0.5681, 1.2570,
3.1912

■ 138.1463,
164.6324, 216.0451

■ 0.0000, 0.1075,
1.1931

172.1481,

■ 0.0000, 0.0000,

203.3874, 263.6297

0.0000

211.3160,
247.7920, 317.7337

■ 22.1635, 29.2155,
44.0062

■ 22.1635, 29.2155,
44.0062

■ 20.8761, 28.0306,
43.8459

■ 23.8056, 30.5932,
44.1861

■ 19.9070, 27.0178,
43.7015

■ 25.8293, 32.1756,
44.3849

■ 19.2164, 26.1571,
43.5717

■ 28.2617, 33.9774,
44.6045

■ 18.8618, 25.6549,
43.4935

■ 31.1268, 36.0112,
44.8460

■ 34.4467, 38.2882,
45.1105

■ 38.2421, 40.8191,
45.3990

■ 42.5322, 43.6140,
45.7124

■ 47.3353, 46.6822,
46.0515

■ 52.6686, 50.0328,
46.4171

Harmonies

Analogous

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



21.2343, 29.2155, 32.6232



22.1635, 29.2155, 44.0062



24.5794, 29.2155, 53.5297

Triad

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



22.1635, 29.2155, 44.0062



34.5712, 29.2155, 42.2964



27.4881, 29.2155, 15.4548

Complementary

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



22.1635, 29.2155, 44.0062



20.7159, 14.4127, 6.3935

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.



31.2221, 29.2155, 16.9410



22.1635, 29.2155, 44.0062



35.5219, 29.2155, 31.0119

Square

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



22.1635, 29.2155, 44.0062



31.7519, 29.2155, 52.3980



34.2467, 29.2155, 22.1063



24.1329, 29.2155, 17.4758

Rectangle

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



22.1635, 29.2155, 44.0062



26.8190, 29.2155, 56.6461



34.2467, 29.2155, 22.1063



28.7400, 29.2155, 15.5602

Sweetspot

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



22.1644, 29.2166, 44.0069



58.1705, 66.1718, 80.5123



18.2929, 31.4641, 11.9170



12.2946, 14.1409, 17.4692



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.



22.1644, 29.2166, 44.0069



36.6739, 49.4867, 78.4247



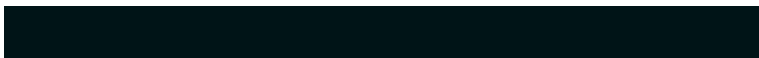
14.6621, 14.2120, 41.5061



8.1543, 8.9081, 10.2423



13.8839, 18.9016, 31.9611



0.4085, 0.5704, 0.8966

Inverse Universe

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



25.3570, 14.9781, 34.8135



43.1057, 22.9077, 59.4314



26.2255, 25.4319, 8.2300



8.2957, 8.1315, 9.8680



16.8716, 8.2112, 22.7669



0.4806, 0.2329, 0.6926

Previews

White Background



This preview shows how the XYZ color 22.1635, 29.2155, 44.0062 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 22.1635, 29.2155, 44.0062 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

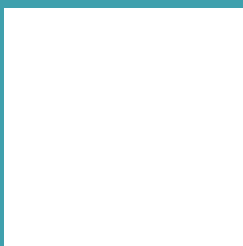
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.1635, 29.2155, 44.0062

Background



This preview shows how black text looks on a background with the XYZ color 22.1635, 29.2155, 44.0062.



This preview shows how white text looks on a background with the XYZ color 22.1635, 29.2155,

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

22.1635, 29.2155, 44.0062

Protanopia

28.2379, 28.8244, 38.7257

Deuteranopia

29.4353, 28.8390, 45.6100



Tritanopia

22.1635, 29.2155, 44.0062

Trichromacy



Original Color

22.1635, 29.2155, 44.0062

Protanomaly

24.9516, 28.2476, 40.6964

Deuteranomaly

25.6542, 28.2743, 45.1797

Tritanomaly

22.1635, 29.2155, 44.0062

Monochromacy



Original Color

22.1635, 29.2155, 44.0062

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.0029, 24.5784, 31.2409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1635, 29.2155, 44.0062 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(63, 160, 173)` looks like.

```
.text, #text, p{  
    color:rgb(63, 160, 173)  
}
```

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(63, 160, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 160, 173) }
```

Border

The CSS property to change the border of an element to XYZ 22.1635, 29.2155, 44.0062 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(63, 160, 173) }
```


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

```
.border{ border-color:rgb(63, 160, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 160, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 160, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 160, 173);  
box-shadow:4px 4px 4px 4px rgb(63, 160,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1635, 29.2155, 44.0062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 160, 173) }
```

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

```
.background{ background-color: rgb(63, 160,  
173) }
```

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