

Converting Colors

XYZ(22.2280, 29.2487, 44.0092)

Have a look what the booklet for
XYZ(22.2280, 29.2487, 44.0092)
contains.

XYZ(22.2280, 29.2487, 44.0092)	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(22.2280, 29.2487,
44.0092)**

Conversions

Conversions Part 1

Format	Color
Hex	40A0AD
RGB	64, 160, 173
RGB Percent	25%, 63%, 68%
CMY	0.7490, 0.3725, 0.3216
CMYK	0.63, 0.08, 0.00, 0.32
HSL	187°, 46%, 46%
HSV	187°, 63%, 68%
XYZ	22.2280, 29.2487, 44.0092
YIQ	132.7780, -61.3890, -16.3090

Conversions

Conversions Part 2

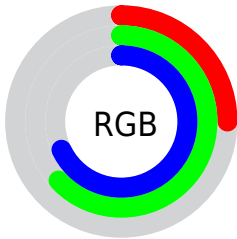
Format	Color
R _Y B	64, 115, 173
Decimal	4235437
CIE Lab	61.00, -23.85, -15.11
CIE LCh	61, 28.233, 212.367
Yxy	29.2487, 0.2328, 0.3063
Android (android.graphics.Color)	4282425517 (0xFF40A0AD)
YUV	132.7780, 19.8294, -60.3183
Hunter-Lab	54.0821, -21.2792, -10.3897

Details

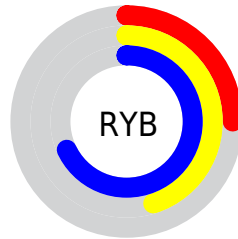
The XYZ color **22.2280, 29.2487, 44.0092** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.8137, 14.5631, 6.5654**, and the grayscale version is **22.1609, 23.3150, 25.3900**.

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 **20.9182, 28.0475, 43.8469**, and if you desaturate by 10%, it is **23.8945, 30.6438, 44.1912**.

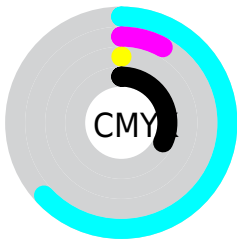
Distribution



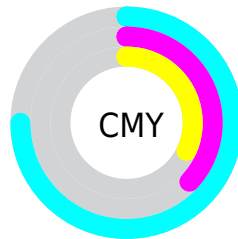
- Red (25%)
- Green (63%)
- Blue (68%)



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



- Cyan (63%)
- Magenta (8%)
- Yellow (0%)
- Black (32%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2280, 29.2487, 44.0092 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 22.2280, 29.2487, 44.0092 by changing the saturation by 10% instead.

■ 22.2280, 29.2487,
44.0092

■ 22.2280, 29.2487,
44.0092

256.3447,
298.3866, 378.7883

■ 14.1421, 19.2690,
30.3405

■ 46.5986, 58.4720,
82.5342

■ 8.3019, 11.8648,
19.8429

■ 63.6140, 78.4844,
108.2276

■ 4.3422, 6.6517,
12.0980

■ 84.3365, 102.6099,
138.7663

■ 1.8975, 3.2453,
6.6871

■ 109.1316,
131.2328, 174.5688

■ 0.5754, 1.2611,
3.1917

■ 138.3647,
164.7375, 216.0538

■ 0.0000, 0.1108,
1.1933

172.4009,

■ 0.0000, 0.0000,

203.5084, 263.6396

0.0000

211.6058,
247.9300, 317.7449

■ 22.2280, 29.2487,
44.0092

■ 22.2280, 29.2487,
44.0092

■ 20.9182, 28.0475,
43.8469

■ 23.8945, 30.6438,
44.1912

■ 19.9288, 27.0196,
43.7007

■ 25.9442, 32.2448,
44.3922

■ 19.2207, 26.1455,
43.5693

■ 28.4042, 34.0661,
44.6141

■ 18.8311, 25.5936,
43.4833

■ 31.2983, 36.1202,
44.8580

■ 34.6486, 38.4184,
45.1250

■ 38.4756, 40.9714,
45.4161

■ 42.7985, 43.7891,
45.7321

■ 47.6356, 46.8809,
46.0740

■ 53.0040, 50.2558,
46.4424

Harmonies

Analogous

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



21.2970, 29.2487, 32.6934



22.2280, 29.2487, 44.0092



24.6377, 29.2487, 53.4517

Triad

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



22.2280, 29.2487, 44.0092



34.5708, 29.2487, 42.2306



27.5080, 29.2487, 15.5542

Complementary

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



22.2280, 29.2487, 44.0092



20.8137, 14.5631, 6.5654

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.



31.2220, 29.2487, 17.0248



22.2280, 29.2487, 44.0092



35.5079, 29.2487, 31.0151

Square

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



22.2280, 29.2487, 44.0092



31.7735, 29.2487, 52.2753



34.2331, 29.2487, 22.1612



24.1724, 29.2487, 17.5835

Rectangle

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



22.2280, 29.2487, 44.0092



26.8683, 29.2487, 56.5277



34.2331, 29.2487, 22.1612



28.7530, 29.2487, 15.6553

Sweetspot

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



22.2289, 29.2498, 44.0099



58.1584, 66.1476, 80.5083



18.3883, 31.5097, 12.0827



12.2916, 14.1349, 17.4682



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.



22.2289, 29.2498, 44.0099



36.6298, 49.3985, 78.4100



14.7899, 14.3718, 41.5302



8.1536, 8.9066, 10.2421



13.8616, 18.8570, 31.9537



0.4081, 0.5695, 0.8964

Inverse Universe

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



25.4129, 15.0900, 34.8320



43.0835, 22.8988, 59.3141



26.3053, 25.5463, 8.3959



8.2953, 8.1314, 9.8660



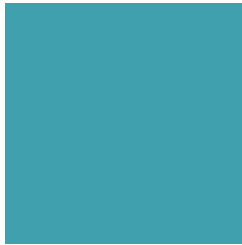
16.8603, 8.2067, 22.7076



0.4804, 0.2328, 0.6914

Previews

White Background



This preview shows how the XYZ color 22.2280, 29.2487, 44.0092 looks on a white background.

Color Contrast Check

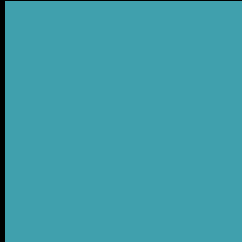
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2280, 29.2487, 44.0092 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

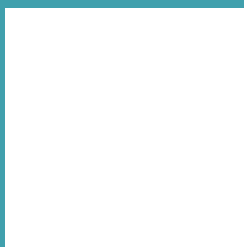
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.2280, 29.2487, 44.0092

Background



This preview shows how black text looks on a background with the XYZ color 22.2280, 29.2487, 44.0092.

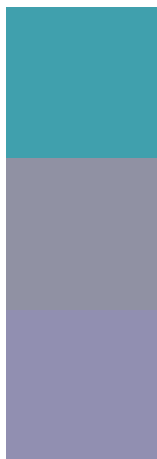


This preview shows how white text looks on a background with the XYZ color 22.2280, 29.2487,

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

22.2280, 29.2487, 44.0092

Protanopia

28.2379, 28.8244, 38.7257

Deuteranopia

29.4353, 28.8390, 45.6100



Tritanopia

22.2280, 29.2487, 44.0092

Trichromacy



Original Color

22.2280, 29.2487, 44.0092

Protanomaly

24.9516, 28.2476, 40.6964

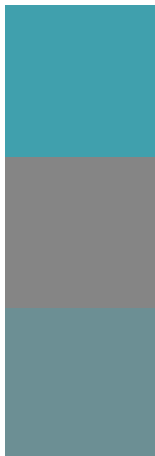
Deuteranomaly

25.7864, 28.3425, 45.1859

Tritanomaly

22.2280, 29.2487, 44.0092

Monochromacy



Original Color

22.2280, 29.2487, 44.0092

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.3521, 24.9712, 31.7115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2280, 29.2487, 44.0092 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(64, 160, 173)` looks like.

```
.text, #text, p{  
    color:rgb(64, 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(64, 160, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 160, 173) }
```

Border

The CSS property to change the border of an element to XYZ 22.2280, 29.2487, 44.0092 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(64, 160, 173) }
```


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

```
.border{ border-color:rgb(64, 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(64, 160, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 160, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 160, 173);  
box-shadow:4px 4px 4px 4px rgb(64, 160,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2280, 29.2487, 44.0092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 160, 173) }
```

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

```
.background{ background-color: rgb(64, 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](#).

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