

Converting Colors

XYZ(17.8807, 22.3003, 43.9199)

Have a look what the booklet for
XYZ(17.8807, 22.3003, 43.9199)
contains.

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Color

**XYZ(17.8435, 22.2264,
43.9071)**

Conversions

Conversions Part 1

Format	Color
Hex	248CAF
RGB	36, 140, 175
RGB Percent	14%, 55%, 69%
CMY	0.8588, 0.4510, 0.3137
CMYK	0.79, 0.20, 0.00, 0.31
HSL	195°, 66%, 41%
HSV	195°, 79%, 69%
XYZ	17.8435, 22.2264, 43.9071
YIQ	112.8940, -73.2190, -11.1630

Conversions

Conversions Part 2

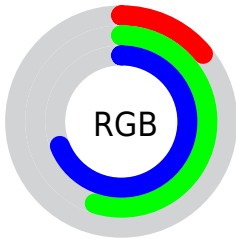
Format	Color
R_{YB}	36, 95, 175
Decimal	2395311
CIE _{Lab}	54.27, -16.58, -26.61
CIE _{LCh}	54, 31.350, 238.082
Yxy	22.2264, 0.2125, 0.2647
Android (android.graphics.Color)	4280585391 (0xFF248CAF)
YUV	112.8940, 30.6183, -67.4360
Hunter-Lab	47.1449, -14.9445, -22.2167

Details

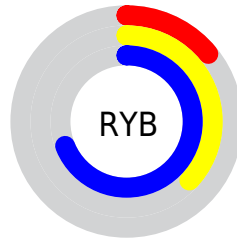
The XYZ color **17.8435, 22.2264, 43.9071** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.2519, 13.7493, 3.2564**, and the grayscale version is **15.5936, 16.4057, 17.8658**.

A 20% lighter version of the original color is **39.4245, 47.2962, 82.6525**, and **7.1690, 8.7175, 19.7171** is the 20% darker color. If you saturate the color by 10%, you get **16.7443, 20.7233, 43.6753**, and if you desaturate by 10%, it is **19.2684, 23.9365, 44.1625**.

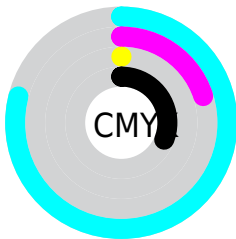
Distribution



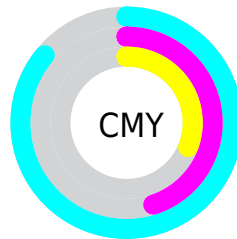
- Red (14%)
- Green (55%)
- Blue (69%)



- Red (14%)
- Yellow (37%)
- Blue (69%)



- Cyan (79%)
- Magenta (20%)
- Yellow (0%)
- Black (31%)



- Cyan (86%)
- Magenta (45%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8435, 22.2264, 43.9071 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 17.8435, 22.2264, 43.9071 by changing the saturation by 10% instead.

■ 17.8435, 22.2264,
43.9071

■ 17.8435, 22.2264,
43.9071

■ 233.0501,
263.7263, 378.3593

■ 10.9367, 14.0233,
30.2608

■ 39.3026, 47.1199,
82.3789

■ 6.0913, 8.1369,
19.7829

■ 54.5857, 64.5791,
108.0415

■ 2.9418, 4.1827,
12.0548

■ 73.3915, 85.8926,
138.5467

■ 1.1231, 1.7763,
6.6580

■ 96.0855, 111.4446,
174.3129

■ 0.0443, 0.4723,
3.1740

■ 123.0330,
141.6196, 215.7587

■ 0.0000, 0.0000,
1.1841

154.5994,

■ 0.0000, 0.0000,

176.8019, 263.3027

0.0000

191.1500,
217.3760, 317.3634

■ 17.8435, 22.2264,
43.9071

■ 17.8435, 22.2264,
43.9071

■ 16.7443, 20.7233,
43.6753

■ 19.2684, 23.9365,
44.1625

■ 15.8923, 19.3850,
43.4619

■ 21.0556, 25.8717,
44.4419

■ 15.8454, 19.3100,
43.4499

■ 23.2386, 28.0501,
44.7473

■ 25.8468, 30.4873,
45.0802

■ 28.9063, 33.1971,
45.4420

■ 32.4412, 36.1924,
45.8339

■ 36.4737, 39.4850,
46.2569

■ 41.0249, 43.0861,
46.7121

■ 46.1141, 47.0063,
47.2005

Harmonies

Analogous

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



15.8502, 22.2264, 34.1658



17.8435, 22.2264, 43.9071



20.9067, 22.2264, 48.2530

Triad

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



17.8435, 22.2264, 43.9071



28.3836, 22.2264, 24.8351



18.1855, 22.2264, 11.1213

Complementary

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



17.8435, 22.2264, 43.9071



20.2519, 13.7493, 3.2564

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.



21.3459, 22.2264, 9.8613



17.8435, 22.2264, 43.9071



27.4580, 22.2264, 16.3904

Square

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



17.8435, 22.2264, 43.9071



27.1973, 22.2264, 35.5549



24.7872, 22.2264, 11.5000



16.0322, 22.2264, 15.5646

Rectangle

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



17.8435, 22.2264, 43.9071



23.2277, 22.2264, 46.8143



24.7872, 22.2264, 11.5000



19.1541, 22.2264, 10.3741

Sweetspot

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



17.8443, 22.2272, 43.9077



54.8307, 62.0751, 81.7287



17.1877, 31.4874, 11.0925



11.7064, 13.3869, 18.1113



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



17.8443, 22.2272, 43.9077



28.8792, 35.3735, 77.9425



10.7038, 7.9463, 41.5275



8.0630, 8.7254, 10.2119



11.3981, 13.9300, 31.1325



0.3573, 0.4679, 0.8795

Inverse Universe

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



23.0444, 12.2700, 25.9655



39.2964, 19.5741, 41.0696



27.4131, 28.0718, 5.6435



8.2496, 8.1131, 9.6252



15.6169, 7.7093, 16.1597



0.4547, 0.2226, 0.5563

Previews

White Background



This preview shows how the XYZ color 17.8435, 22.2264, 43.9071 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 17.8435, 22.2264, 43.9071 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 17.8435, 22.2264, 43.9071

Background



This preview shows how black text looks on a background with the XYZ color 17.8435, 22.2264, 43.9071.

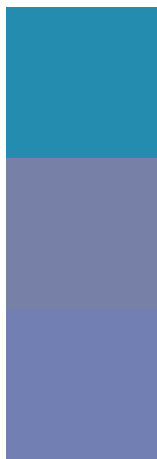


This preview shows how white text looks on a background with the XYZ color 17.8435, 22.2264,

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

17.8435, 22.2264, 43.9071

Protanopia

22.2099, 22.1135, 39.1741

Deuteranopia

22.4353, 21.9038, 45.1649



Tritanopia

15.7389, 22.0115, 34.4295

Trichromacy



Original Color

17.8435, 22.2264, 43.9071

Protanomaly

19.5325, 21.4909, 40.6548

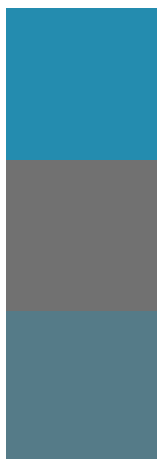
Deuteranomaly

19.9334, 21.6081, 44.7152

Tritanomaly

16.3606, 22.0402, 37.5743

Monochromacy



Original Color

17.8435, 22.2264, 43.9071

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.2732, 17.8748, 25.9377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8435, 22.2264, 43.9071 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(36, 140, 175)` looks like.

```
.text, #text, p{  
    color:rgb(36, 140, 175)  
}
```

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(36, 140, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 140, 175) }
```

Border

The CSS property to change the border of an element to XYZ 17.8435, 22.2264, 43.9071 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(36, 140, 175) }
```


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

```
.border{ border-color:rgb(36, 140, 175) }
```

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

Here you see how a box with a 4 pixel rgb(36, 140, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 140, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 140, 175);  
box-shadow:4px 4px 4px 4px rgb(36, 140,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8435, 22.2264, 43.9071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 140, 175) }
```

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

```
.background{ background-color: rgb(36, 140,  
175) }
```

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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