

Converting Colors

XYZ(18.2659, 22.7845, 44.5100)

Have a look what the booklet for
XYZ(18.2659, 22.7845, 44.5100)
contains.

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Color

**XYZ(18.3088, 22.8927,
44.5280)**

Conversions

Conversions Part 1

Format	Color
Hex	268EB0
RGB	38, 142, 176
RGB Percent	15%, 56%, 69%
CMY	0.8509, 0.4431, 0.3098
CMYK	0.78, 0.19, 0.00, 0.31
HSL	195°, 64%, 42%
HSV	195°, 78%, 69%
XYZ	18.3088, 22.8927, 44.5280
YIQ	114.7800, -72.8980, -11.4740

Conversions

Conversions Part 2

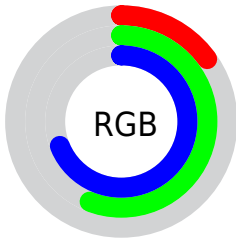
Format	Color
R_{YB}	38, 97, 176
Decimal	2526896
CIE _{Lab}	54.96, -17.10, -26.10
CIE _{LCh}	55, 31.210, 236.766
Yxy	22.8927, 0.2136, 0.2670
Android (android.graphics.Color)	4280716976 (0xFF268EB0)
YUV	114.7800, 30.1815, -67.3361
Hunter-Lab	47.8463, -15.4265, -21.6856

Details

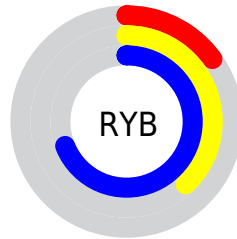
The XYZ color **18.3088, 22.8927, 44.5280** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.5727, 14.0061, 3.4538**, and the grayscale version is **16.1577, 16.9992, 18.5121**.

A 20% lighter version of the original color is **40.1311, 48.3093, 83.5534**, and **7.4023, 9.0844, 20.1022** is the 20% darker color. If you saturate the color by 10%, you get **17.1740, 21.3689, 44.2941**, and if you desaturate by 10%, it is **19.7769, 24.6265, 44.7857**.

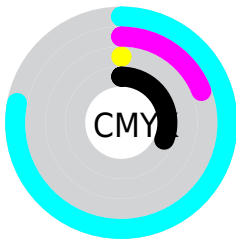
Distribution



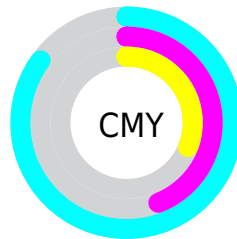
- Red (15%)
- Green (56%)
- Blue (69%)



- Red (15%)
- Yellow (38%)
- Blue (69%)



- Cyan (78%)
- Magenta (19%)
- Yellow (0%)
- Black (31%)



- Cyan (85%)
- Magenta (44%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3088, 22.8927, 44.5280 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 18.3088, 22.8927, 44.5280 by changing the saturation by 10% instead.

■ 18.3088, 22.8927,
44.5280

■ 18.3088, 22.8927,
44.5280

235.6179,
267.1734, 380.9628

■ 11.2729, 14.5143,
30.7456

■ 40.0888, 48.2171,
83.3226

■ 6.3194, 8.4792,
20.1484

■ 55.5636, 65.9318,
109.1719

■ 3.0827, 4.4031,
12.3178

■ 74.5822, 87.5275,
139.8805

■ 1.1977, 1.9015,
6.8353

■ 97.5098, 113.3885,
175.8670

■ 0.1045, 0.5493,
3.2824

■ 124.7118,
143.8992, 217.5499

■ 0.0000, 0.0000,
1.2406

156.5536,

■ 0.0000, 0.0000,

179.4440, 265.3478

0.0124

193.4005,
220.4072, 319.6793

■ 0.0000, 0.0000,
0.0000

■ 18.3088, 22.8927,
44.5280

■ 18.3088, 22.8927,
44.5280

■ 17.1740, 21.3689,
44.2941

■ 19.7769, 24.6265,
44.7857

■ 16.3044, 20.0181,
44.0792

■ 21.6145, 26.5880,
45.0675

■ 16.1744, 19.8104,
44.0460

■ 23.8555, 28.7956,
45.3755

■ 26.5290, 31.2646,
45.7111

■ 29.6613, 34.0090,
46.0758

■ 33.2767, 37.0417,
46.4706

■ 37.3976, 40.3747,
46.8967

■ 42.0449, 44.0191,
47.3552

■ 47.2385, 47.9854,
47.8471

Harmonies

Analogous

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



16.3373, 22.8927, 34.5414



18.3088, 22.8927, 44.5280



21.3852, 22.8927, 49.2333

Triad

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



18.3088, 22.8927, 44.5280



29.1092, 22.8927, 26.0179



18.8950, 22.8927, 11.4794

Complementary

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



18.3088, 22.8927, 44.5280



20.5727, 14.0061, 3.4538

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.



22.1367, 22.8927, 10.3200



18.3088, 22.8927, 44.5280



28.2639, 22.8927, 17.2848

Square

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



18.3088, 22.8927, 44.5280



27.8190, 22.8927, 36.9103



25.6171, 22.8927, 12.1332



16.6496, 22.8927, 15.8654

Rectangle

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



18.3088, 22.8927, 44.5280



23.7373, 22.8927, 48.0148



25.6171, 22.8927, 12.1332



19.8935, 22.8927, 10.7597

Sweetspot

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



18.3096, 22.8935, 44.5286



56.2998, 63.8075, 83.8441



17.4373, 31.9081, 11.0687



11.7251, 13.4243, 18.1175



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.



18.3096, 22.8935, 44.5286



29.9839, 36.9637, 80.0497



11.1393, 8.5530, 42.1385



8.5618, 9.2698, 10.8443



11.9151, 14.6306, 32.3330



0.4175, 0.5455, 1.0315

Inverse Universe

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



23.4808, 12.5702, 26.7807



40.4977, 20.1967, 43.0186



27.5168, 27.8944, 5.7685



8.7588, 8.6102, 10.2281



16.2489, 8.0171, 17.0023



0.5327, 0.2608, 0.6481

Previews

White Background



This preview shows how the XYZ color 18.3088, 22.8927, 44.5280 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 18.3088, 22.8927, 44.5280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

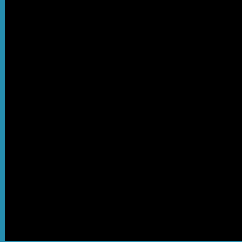
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.3088, 22.8927, 44.5280

Background



This preview shows how black text looks on a background with the XYZ color 18.3088, 22.8927, 44.5280.

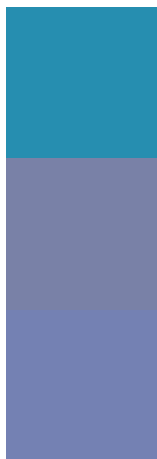


This preview shows how white text looks on a background with the XYZ color 18.3088, 22.8927,

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

18.3088, 22.8927, 44.5280

Protanopia

22.7105, 22.5555, 39.7159

Deuteranopia

23.1894, 22.6682, 45.8010



Tritanopia

16.3492, 22.7563, 35.4290

Trichromacy



Original Color

18.3088, 22.8927, 44.5280

Protanomaly

20.0952, 22.1766, 41.2516

Deuteranomaly

20.5855, 22.3393, 45.3464

Tritanomaly

16.9834, 22.7863, 38.6250

Monochromacy



Original Color

18.3088, 22.8927, 44.5280

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.7795, 18.4996, 26.4060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3088, 22.8927, 44.5280 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(38, 142, 176)` looks like.

```
.text, #text, p{  
    color:rgb(38, 142, 176)  
}
```

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(38, 142, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 142, 176) }
```

Border

The CSS property to change the border of an element to XYZ 18.3088, 22.8927, 44.5280 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(38, 142, 176) }
```


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

```
.border{ border-color:rgb(38, 142, 176) }
```

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

Here you see how a box with a 4 pixel rgb(38, 142, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 142, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 142, 176);  
box-shadow:4px 4px 4px 4px rgb(38, 142,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3088, 22.8927, 44.5280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 142, 176) }
```

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

```
.background{ background-color: rgb(38, 142,  
176) }
```

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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