

Converting Colors

XYZ(21.8726, 27.7706, 45.2817)

Have a look what the booklet for
XYZ(21.8726, 27.7706, 45.2817)
contains.

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Color

**XYZ(21.8726, 27.7706,
45.2817)**

Conversions

Conversions Part 1

Format	Color
Hex	439BB0
RGB	67, 155, 176
RGB Percent	26%, 61%, 69%
CMY	0.7372, 0.3921, 0.3098
CMYK	0.62, 0.12, 0.00, 0.31
HSL	192°, 45%, 48%
HSV	192°, 62%, 69%
XYZ	21.8726, 27.7706, 45.2817
YIQ	131.0820, -59.1890, -12.1250

Conversions

Conversions Part 2

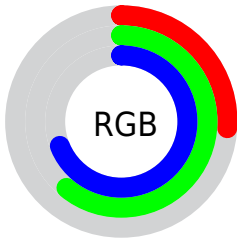
Format	Color
R _Y B	67, 116, 176
Decimal	4430768
CIE Lab	59.68, -19.81, -18.80
CIE LCh	60, 27.311, 223.504
Yxy	27.7706, 0.2304, 0.2926
Android (android.graphics.Color)	4282620848 (0xFF439BB0)
YUV	131.0820, 22.1446, -56.1999
Hunter-Lab	52.6978, -18.1335, -14.0577

Details

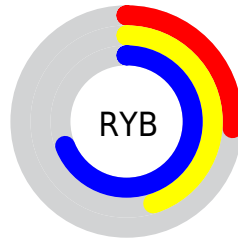
The XYZ color **21.8726, 27.7706, 45.2817** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **22.4081, 16.6158, 7.3373**, and the grayscale version is **21.5422, 22.6641, 24.6812**.

A 20% lighter version of the original color is **46.2163, 56.3550, 84.7857**, and **8.5255, 11.3307, 20.4766** is the 20% darker color. If you saturate the color by 10%, you get **20.2882, 26.1283, 45.0487**, and if you desaturate by 10%, it is **23.8413, 29.6356, 45.5384**.

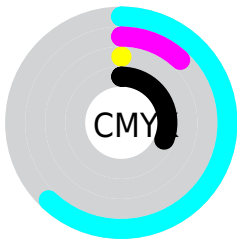
Distribution



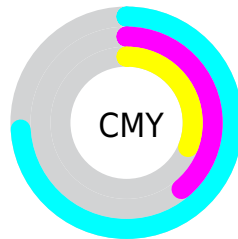
- Red (26%)
- Green (61%)
- Blue (69%)



- Red (26%)
- Yellow (45%)
- Blue (69%)



- Cyan (62%)
- Magenta (12%)
- Yellow (0%)
- Black (31%)



- Cyan (74%)
- Magenta (39%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8726, 27.7706, 45.2817 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 21.8726, 27.7706, 45.2817 by changing the saturation by 10% instead.

■ 21.8726, 27.7706,
45.2817

■ 21.8726, 27.7706,
45.2817

■ 254.5251,
291.3691, 384.1066

■ 13.8794, 18.1528,
31.3348

■ 46.0158, 56.1180,
84.4659

■ 8.1180, 11.0597,
20.5933

■ 62.8964, 75.6164,
110.5403

■ 4.2230, 6.1070,
12.6387

■ 83.4703, 99.1771,
141.4942

■ 1.8290, 2.9103,
7.0525

■ 108.1027,
127.1845, 177.7463

■ 0.5351, 1.0851,
3.4160

■ 137.1591,
160.0230, 219.7150

■ 0.0000, 0.0000,
1.3108

171.0047,

■ 0.0000, 0.0000,

198.0770, 267.8190

0.0706

210.0049,
241.7309, 322.4767

■ 0.0000, 0.0000,
0.0000

■ 21.8726, 27.7706,
45.2817

■ 21.8726, 27.7706,
45.2817

■ 20.2882, 26.1283,
45.0487

■ 23.8413, 29.6356,
45.5384

■ 19.0508, 24.6878,
44.8359

■ 26.2218, 31.7361,
45.8184

■ 18.1203, 23.4285,
44.6419

■ 29.0422, 34.0872,
46.1236

■ 17.5234, 22.5084,
44.4957

■ 32.3272, 36.7020,
46.4551

■ 36.0997, 39.5923,
46.8142

■ 40.3810, 42.7693,
47.2018

■ 45.1911, 46.2437,
47.6189

■ 50.5491, 50.0252,
48.0664

■ 56.4729, 54.1234,
48.5452

Harmonies

Analogous

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



20.4594, 27.7706, 34.8913



21.8726, 27.7706, 45.2817



24.5571, 27.7706, 52.3406

Triad

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



21.8726, 27.7706, 45.2817



33.2758, 27.7706, 35.9555



24.8771, 27.7706, 15.2781

Complementary

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



21.8726, 27.7706, 45.2817



22.4081, 16.6158, 7.3373

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.



28.3227, 27.7706, 15.4415



21.8726, 27.7706, 45.2817



33.3804, 27.7706, 26.0170

Square

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



21.8726, 27.7706, 45.2817



31.2271, 27.7706, 46.2055



31.5017, 27.7706, 18.9598



22.0893, 27.7706, 18.4509

Rectangle

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



21.8726, 27.7706, 45.2817



26.8024, 27.7706, 53.4235



31.5017, 27.7706, 18.9598



25.9920, 27.7706, 14.9698

Sweetspot

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



21.8735, 27.7716, 45.2824



60.3196, 67.8764, 84.4176



19.5605, 32.9325, 14.3401



12.6785, 14.4040, 18.2564



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.



21.8735, 27.7716, 45.2824



35.9730, 46.4687, 81.5687



14.8562, 13.7371, 42.9433



8.6008, 9.3478, 10.8573



12.8978, 16.5961, 32.6606



0.4416, 0.5937, 1.0396

Inverse Universe

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



25.8288, 15.6119, 32.6635



44.1245, 23.9588, 54.9908



28.5147, 28.8289, 9.3729



8.7784, 8.6181, 10.3317



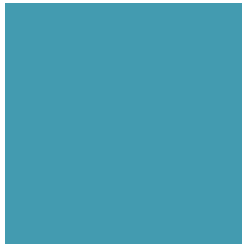
16.7449, 8.2155, 19.6144



0.5449, 0.2657, 0.7121

Previews

White Background



This preview shows how the XYZ color 21.8726, 27.7706, 45.2817 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 21.8726, 27.7706, 45.2817 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

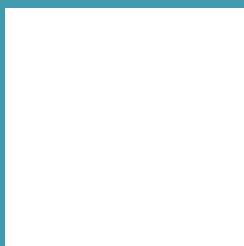
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8726, 27.7706, 45.2817

Background



This preview shows how black text looks on a background with the XYZ color 21.8726, 27.7706, 45.2817.

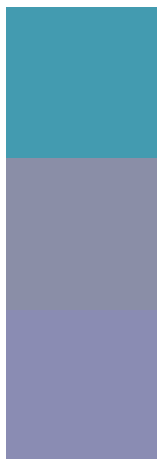


This preview shows how white text looks on a background with the XYZ color 21.8726, 27.7706,

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

21.8726, 27.7706, 45.2817

Protanopia

27.1293, 27.5393, 40.4450

Deuteranopia

27.9960, 27.4141, 46.4637



Tritanopia

21.1643, 27.7315, 41.7734

Trichromacy



Original Color

21.8726, 27.7706, 45.2817

Protanomaly

24.3715, 27.2145, 41.9986

Deuteranomaly

24.8434, 26.9099, 46.0042

Tritanomaly

21.5148, 27.8793, 43.2770

Monochromacy



Original Color

21.8726, 27.7706, 45.2817

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.8289, 24.0509, 31.1483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8726, 27.7706, 45.2817 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(67, 155, 176)` looks like.

```
.text, #text, p{  
    color:rgb(67, 155, 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(67, 155, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 155, 176) }
```

Border

The CSS property to change the border of an element to XYZ 21.8726, 27.7706, 45.2817 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(67, 155, 176) }
```


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

```
.border{ border-color:rgb(67, 155, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 155, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 155, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 155, 176);  
box-shadow:4px 4px 4px 4px rgb(67, 155,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8726, 27.7706, 45.2817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 155, 176) }
```

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

```
.background{ background-color: rgb(67, 155,  
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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