

Converting Colors

XYZ(22.3946, 28.4595, 45.3750)

Have a look what the booklet for
XYZ(22.3946, 28.4595, 45.3750)
contains.

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Color

**XYZ(22.4192, 28.5506,
45.4035)**

Conversions

Conversions Part 1

Format	Color
Hex	469DB0
RGB	70, 157, 176
RGB Percent	27%, 62%, 69%
CMY	0.7255, 0.3843, 0.3098
CMYK	0.60, 0.11, 0.00, 0.31
HSL	191°, 43%, 48%
HSV	191°, 60%, 69%
XYZ	22.4192, 28.5506, 45.4035
YIQ	133.1530, -57.9510, -12.5350

Conversions

Conversions Part 2

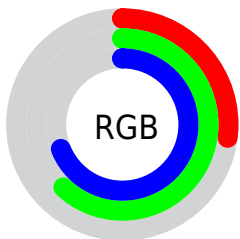
Format	Color
RYB	70, 118, 176
Decimal	4627888
CIELab	60.38, -20.30, -17.72
CIELCh	60, 26.952, 221.119
Yxy	28.5506, 0.2326, 0.2963
Android (android.graphics.Color)	4282817968 (0xFF469DB0)
YUV	133.1530, 21.1236, -55.3852
Hunter-Lab	53.4328, -18.6127, -12.9776

Details

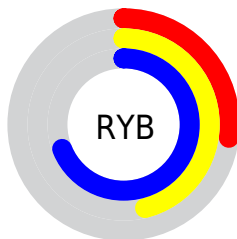
The XYZ color **22.4192, 28.5506, 45.4035** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **22.5831, 16.8179, 7.8511**, and the grayscale version is **22.2915, 23.4524, 25.5397**.

A 20% lighter version of the original color is **47.0111, 57.5024, 84.9653**, and **8.6267, 11.5332, 20.5103** is the 20% darker color. If you saturate the color by 10%, you get **20.8042, 26.9365, 45.1776**, and if you desaturate by 10%, it is **24.4218, 30.3862, 45.6528**.

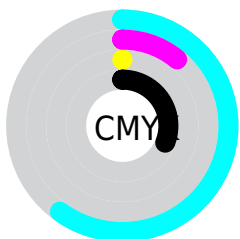
Distribution



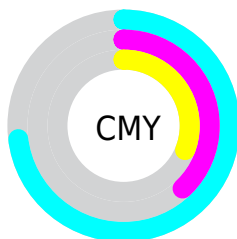
- Red (27%)
- Green (62%)
- Blue (69%)



- Red (27%)
- Yellow (46%)
- Blue (69%)



- Cyan (60%)
- Magenta (11%)
- Yellow (0%)
- Black (31%)



- Cyan (73%)
- Magenta (38%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4192, 28.5506, 45.4035 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 22.4192, 28.5506, 45.4035 by changing the saturation by 10% instead.

■ 22.4192, 28.5506,
45.4035

■ 22.4192, 28.5506,
45.4035

257.3191,
295.0886, 384.6130

■ 14.2836, 18.7411,
31.4301

■ 46.9116, 57.3623,
84.6504

■ 8.4012, 11.4834,
20.6654

■ 63.9991, 77.1333,
110.7611

■ 4.4067, 6.3929,
12.6908

■ 84.8012, 100.9936,
141.7545

■ 1.9347, 3.0855,
7.0877

■ 109.6833,
129.3277, 178.0493

■ 0.5969, 1.1765,
3.4378

■ 139.0108,
162.5198, 220.0640

■ 0.0000, 0.0424,
1.3223

173.1490,

■ 0.0000, 0.0000,

200.9544, 268.2172

0.0799

212.4634,
245.0159, 322.9273

■ 0.0000, 0.0000,
0.0000

■ 22.4192, 28.5506,
45.4035

■ 22.4192, 28.5506,
45.4035

■ 20.8042, 26.9365,
45.1776

■ 24.4218, 30.3862,
45.6528

■ 19.5404, 25.5231,
44.9714

■ 26.8390, 32.4555,
45.9248

■ 18.5891, 24.2910,
44.7837

■ 29.6983, 34.7735,
46.2215

■ 17.8789, 23.2192,
44.6143

■ 33.0240, 37.3529,
46.5441

■ 36.8388, 40.2054,
46.8936

■ 41.1637, 43.3421,
47.2711

■ 46.0185, 46.7734,
47.6776

■ 51.4220, 50.5089,
48.1138

■ 57.3920, 54.5581,
48.5807

Harmonies

Analogous

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



21.1084, 28.5506, 34.9148



22.4192, 28.5506, 45.4035



25.0365, 28.5506, 52.8688

Triad

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



22.4192, 28.5506, 45.4035



33.9433, 28.5506, 37.6811



25.8714, 28.5506, 15.8679

Complementary

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



22.4192, 28.5506, 45.4035



22.5831, 16.8179, 7.8511

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.



29.3507, 28.5506, 16.2988



22.4192, 28.5506, 45.4035



34.2151, 28.5506, 27.5493

Square

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



22.4192, 28.5506, 45.4035



31.7593, 28.5506, 47.7959



32.4730, 28.5506, 20.1486



22.9855, 28.5506, 18.8112

Rectangle

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



22.4192, 28.5506, 45.4035



27.2669, 28.5506, 54.3403



32.4730, 28.5506, 20.1486



27.0065, 28.5506, 15.6425

Sweetspot

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



22.4201, 28.5517, 45.4042



61.1454, 68.6940, 84.5319



19.7995, 33.0525, 14.4975



12.8488, 14.5815, 18.2816



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.



22.4201, 28.5517, 45.4042



36.9712, 48.0380, 81.8190



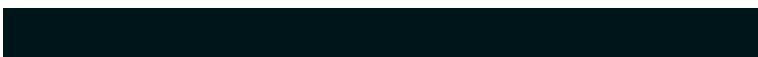
15.4487, 14.6089, 43.0804



8.6106, 9.3673, 10.8606



13.1566, 17.1135, 32.7468



0.4478, 0.6061, 1.0416

Inverse Universe

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



26.1812, 16.0456, 33.6166



44.7326, 24.6012, 56.9625



28.4865, 28.6248, 9.8189



8.7834, 8.6201, 10.3577



16.8755, 8.2677, 20.3021



0.5480, 0.2670, 0.7287

Previews

White Background



This preview shows how the XYZ color 22.4192, 28.5506, 45.4035 looks on a white background.

Color Contrast Check

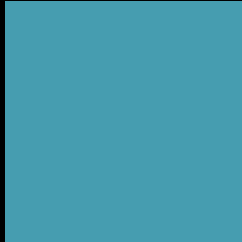
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4192, 28.5506, 45.4035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

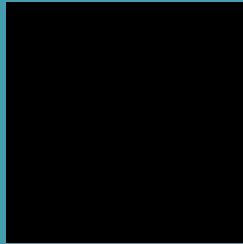
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.4192, 28.5506, 45.4035

Background



This preview shows how black text looks on a background with the XYZ color 22.4192, 28.5506, 45.4035.



This preview shows how white text looks on a background with the XYZ color 22.4192, 28.5506,

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

22.4192, 28.5506, 45.4035

Protanopia

27.9328, 28.3993, 40.5686

Deuteranopia

28.7942, 28.2634, 46.5856



Tritanopia

21.9614, 28.6229, 42.8954

Trichromacy



Original Color

22.4192, 28.5506, 45.4035

Protanomaly

25.0734, 28.0420, 42.1214

Deuteranomaly

25.5398, 27.7266, 46.1252

Tritanomaly

22.2239, 28.7361, 43.9105

Monochromacy



Original Color

22.4192, 28.5506, 45.4035

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.5282, 24.8309, 32.0920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4192, 28.5506, 45.4035 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(70, 157, 176)` looks like.

```
.text, #text, p{  
    color:rgb(70, 157, 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(70, 157, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 157, 176) }
```

Border

The CSS property to change the border of an element to XYZ 22.4192, 28.5506, 45.4035 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(70, 157, 176) }
```


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

```
.border{ border-color:rgb(70, 157, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 157, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 157, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 157, 176);  
box-shadow:4px 4px 4px 4px rgb(70, 157,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4192, 28.5506, 45.4035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 157, 176) }
```

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

```
.background{ background-color: rgb(70, 157,  
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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