

Converting Colors

XYZ(21.7855, 27.2565, 45.1375)

Have a look what the booklet for
XYZ(21.7855, 27.2565, 45.1375)
contains.

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Color

**XYZ(21.7535, 27.2191,
45.1816)**

Conversions

Conversions Part 1

Format	Color
Hex	4699B0
RGB	70, 153, 176
RGB Percent	27%, 60%, 69%
CMY	0.7255, 0.4000, 0.3098
CMYK	0.60, 0.13, 0.00, 0.31
HSL	193°, 43%, 48%
HSV	193°, 60%, 69%
XYZ	21.7535, 27.2191, 45.1816
YIQ	130.8050, -56.8510, -10.4430

Conversions

Conversions Part 2

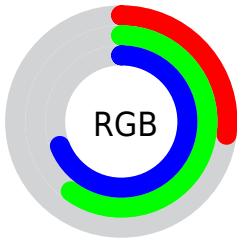
Format	Color
RYB	70, 117, 176
Decimal	4626864
CIELab	59.18, -18.19, -19.56
CIElCh	59, 26.713, 227.075
Yxy	27.2191, 0.2310, 0.2891
Android (android.graphics.Color)	4282816944 (0xFF4699B0)
YUV	130.8050, 22.2811, -53.3260
Hunter-Lab	52.1719, -16.8739, -14.8256

Details

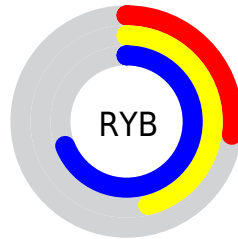
The XYZ color **21.7535, 27.2191, 45.1816** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.9252, 17.5020, 7.9653**, and the grayscale version is **21.4424, 22.5590, 24.5668**.

A 20% lighter version of the original color is **45.7804, 55.0410, 84.5550**, and **8.3265, 10.9328, 20.4103** is the 20% darker color. If you saturate the color by 10%, you get **20.0502, 25.4284, 44.9262**, and if you desaturate by 10%, it is **23.8506, 29.2436, 45.4623**.

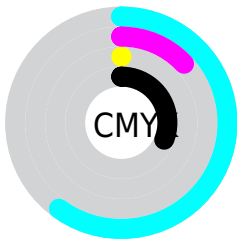
Distribution



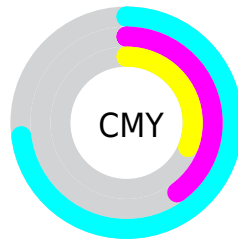
- Red (27%)
- Green (60%)
- Blue (69%)



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



- Cyan (60%)
- Magenta (13%)
- Yellow (0%)
- Black (31%)



- Cyan (73%)
- Magenta (40%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7535, 27.2191, 45.1816 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 21.7535, 27.2191, 45.1816 by changing the saturation by 10% instead.

■ 21.7535, 27.2191,
45.1816

■ 21.7535, 27.2191,
45.1816

253.9129,
288.7164, 383.6901

■ 13.7915, 17.7378,
31.2565

■ 45.8201, 55.2353,
84.3142

■ 8.0565, 10.7619,
20.5341

■ 62.6555, 74.5389,
110.3588

■ 4.1832, 5.9070,
12.5960

■ 83.1793, 97.8856,
141.2802

■ 1.8063, 2.7886,
7.0235

■ 107.7569,
125.6595, 177.4972

■ 0.5215, 1.0224,
3.3981

■ 136.7537,
158.2452, 219.4281

■ 0.0000, 0.0000,
1.3013

170.5351,

■ 0.0000, 0.0000,

196.0269, 267.4915

0.0629

209.4664,
239.3892, 322.1060

■ 0.0000, 0.0000,
0.0000

■ 21.7535, 27.2191,
45.1816

■ 21.7535, 27.2191,
45.1816

■ 20.0502, 25.4284,
44.9262

■ 23.8506, 29.2436,
45.4623

■ 18.7043, 23.8509,
44.6927

■ 26.3685, 31.5144,
45.7680

■ 17.6769, 22.4667,
44.4797

■ 29.3350, 34.0467,
46.1004

■ 16.8981, 21.2577,
44.2874

■ 32.7743, 36.8533,
46.4608

■ 36.7093, 39.9462,
46.8504

■ 41.1610, 43.3365,
47.2702

■ 46.1493, 47.0346,
47.7211

■ 51.6930, 51.0506,
48.2041

■ 57.8101, 55.3940,
48.7200

Harmonies

Analogous

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



20.2240, 27.2191, 35.3495



21.7535, 27.2191, 45.1816



24.4660, 27.2191, 51.3248

Triad

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



21.7535, 27.2191, 45.1816



32.6216, 27.2191, 33.9275



24.0374, 27.2191, 15.3448

Complementary

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



21.7535, 27.2191, 45.1816



22.9252, 17.5020, 7.9653

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.



27.3286, 27.2191, 15.1244



21.7535, 27.2191, 45.1816



32.4819, 27.2191, 24.5756

Square

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



21.7535, 27.2191, 45.1816



30.8446, 27.2191, 43.9501



30.4777, 27.2191, 18.1422



21.4629, 27.2191, 18.8271

Rectangle

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



21.7535, 27.2191, 45.1816



26.6670, 27.2191, 51.7945



30.4777, 27.2191, 18.1422



25.0909, 27.2191, 14.9180

Sweetspot

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



21.7544, 27.2201, 45.1823



60.7329, 67.8691, 84.3944



20.0263, 33.1432, 15.6911



12.7463, 14.3764, 18.2475



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.



21.7544, 27.2201, 45.1823



35.5572, 45.2101, 81.3477



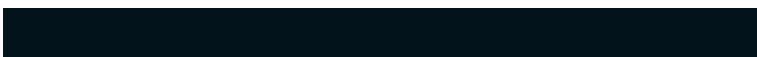
14.9236, 13.5586, 42.9053



8.5831, 9.3124, 10.8514



12.4424, 15.6853, 32.5088



0.4305, 0.5715, 1.0359

Inverse Universe

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



25.8452, 15.9113, 31.8469



44.0189, 24.3157, 53.2042



29.2845, 30.2207, 10.0851



8.7695, 8.6145, 10.2847



16.5150, 8.1236, 18.4039



0.5393, 0.2635, 0.6827

Previews

White Background



This preview shows how the XYZ color 21.7535, 27.2191, 45.1816 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 21.7535, 27.2191, 45.1816 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 21.7535, 27.2191, 45.1816

Background



This preview shows how black text looks on a background with the XYZ color 21.7535, 27.2191, 45.1816.



This preview shows how white text looks on a background with the XYZ color 21.7535, 27.2191,

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

21.7535, 27.2191, 45.1816

Protanopia

26.5065, 26.7804, 40.3313

Deuteranopia

27.5226, 26.9542, 46.3999



Tritanopia

20.9432, 27.3910, 40.7424

Trichromacy



Original Color

21.7535, 27.2191, 45.1816

Protanomaly

24.0632, 26.5978, 41.8958

Deuteranomaly

24.6912, 26.6056, 45.9535

Tritanomaly

21.1260, 27.2068, 42.1682

Monochromacy



Original Color

21.7535, 27.2191, 45.1816

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.8058, 23.8230, 31.1055

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7535, 27.2191, 45.1816 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, 153, 176)` looks like.

```
.text, #text, p{  
    color:rgb(70, 153, 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, 153, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 153, 176) }
```

Border

The CSS property to change the border of an element to XYZ 21.7535, 27.2191, 45.1816 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, 153, 176) }
```


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

```
.border{ border-color:rgb(70, 153, 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, 153, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 153, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 153, 176);  
box-shadow:4px 4px 4px 4px rgb(70, 153,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7535, 27.2191, 45.1816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 153, 176) }
```

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

```
.background{ background-color: rgb(70, 153,  
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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