

Converting Colors

XYZ(21.9116, 27.2605, 46.3839)

Have a look what the booklet for
XYZ(21.9116, 27.2605, 46.3839)
contains.

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Color

**XYZ(21.8814, 27.2620,
46.2283)**

Conversions

Conversions Part 1

Format	Color
Hex	4599B2
RGB	69, 153, 178
RGB Percent	27%, 60%, 70%
CMY	0.7294, 0.4000, 0.3020
CMYK	0.61, 0.14, 0.00, 0.30
HSL	194°, 44%, 48%
HSV	194°, 61%, 70%
XYZ	21.8814, 27.2620, 46.2283
YIQ	130.7340, -58.0890, -10.0330

Conversions

Conversions Part 2

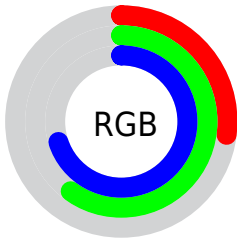
Format	Color
R_{YB}	69, 116, 178
Decimal	4561330
CIE _{Lab}	59.22, -17.76, -20.64
CIE _{LCh}	59, 27.229, 229.276
Yxy	27.2620, 0.2294, 0.2858
Android (android.graphics.Color)	4282751410 (0xFF4599B2)
YUV	130.7340, 23.3021, -54.1407
Hunter-Lab	52.2130, -16.5671, -15.9450

Details

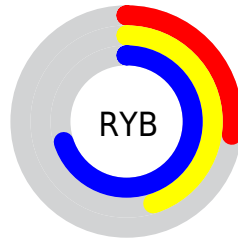
The XYZ color **21.8814, 27.2620, 46.2283** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **23.4379, 17.9013, 7.8513**, and the grayscale version is **21.4140, 22.5292, 24.5343**.

A 20% lighter version of the original color is **45.9165, 55.0782, 86.0530**, and **8.4530, 10.9834, 21.0765** is the 20% darker color. If you saturate the color by 10%, you get **20.1464, 25.3930, 45.9595**, and if you desaturate by 10%, it is **24.0198, 29.3740, 46.5238**.

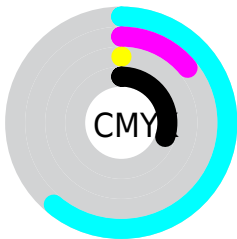
Distribution



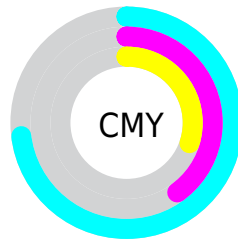
- Red (27%)
- Green (60%)
- Blue (70%)



- Red (27%)
- Yellow (45%)
- Blue (70%)



- Cyan (61%)
- Magenta (14%)
- Yellow (0%)
- Black (30%)



- Cyan (73%)
- Magenta (40%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8814, 27.2620, 46.2283 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 21.8814, 27.2620, 46.2283 by changing the saturation by 10% instead.

■ 21.8814, 27.2620,
46.2283

■ 21.8814, 27.2620,
46.2283

254.5703,
288.9234, 388.0299

■ 13.8859, 17.7701,
32.0760

■ 46.0302, 55.3040,
85.8984

■ 8.1225, 10.7851,
21.1543

■ 62.9142, 74.6229,
112.2534

■ 4.2259, 5.9225,
13.0445

■ 83.4918, 97.9862,
143.5130

■ 1.8307, 2.7980,
7.3281

■ 108.1283,
125.7784, 180.0959

■ 0.5361, 1.0272,
3.5866

■ 137.1890,
158.3838, 222.4204

■ 0.0000, 0.0000,
1.4014

171.0393,

■ 0.0000, 0.0000,

196.1869, 270.9053

0.1428

210.0447,
239.5720, 325.9689

■ 0.0000, 0.0000,
0.0000

■ 21.8814, 27.2620,
46.2283

■ 21.8814, 27.2620,
46.2283

■ 20.1464, 25.3930,
45.9595

■ 24.0198, 29.3740,
46.5238

■ 18.7768, 23.7455,
45.7137

■ 26.5898, 31.7422,
46.8454

■ 17.7317, 22.2985,
45.4895

■ 29.6201, 34.3823,
47.1953

■ 17.0065, 21.1554,
45.3071

■ 33.1361, 37.3077,
47.5746

■ 37.1613, 40.5309,
47.9846

■ 41.7176, 44.0634,
48.4263

■ 46.8256, 47.9162,
48.9008

■ 52.5049, 52.0996,
49.4089

■ 58.7738, 56.6234,
49.9517

Harmonies

Analogous

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



20.2247, 27.2620, 36.2938



21.8814, 27.2620, 46.2283



24.7157, 27.2620, 52.1054

Triad

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



21.8814, 27.2620, 46.2283



32.8703, 27.2620, 33.3007



23.8157, 27.2620, 15.3011

Complementary

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



21.8814, 27.2620, 46.2283



23.4379, 17.9013, 7.8513

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.



27.1457, 27.2620, 14.8419



21.8814, 27.2620, 46.2283



32.5759, 27.2620, 23.9292

Square

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



21.8814, 27.2620, 46.2283



31.1811, 27.2620, 43.6298



30.4088, 27.2620, 17.6487



21.2721, 27.2620, 19.0797

Rectangle

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



21.8814, 27.2620, 46.2283



26.9784, 27.2620, 52.2249



30.4088, 27.2620, 17.6487



24.8736, 27.2620, 14.7902

Sweetspot

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



21.8823, 27.2630, 46.2290



62.1243, 69.3049, 86.4841



20.3344, 33.8903, 15.7381



13.3179, 14.9930, 19.1143



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.8823, 27.2630, 46.2290



35.7140, 45.1016, 83.2043



15.0372, 13.5728, 43.9473



8.5741, 9.2944, 10.8484



12.2174, 15.2351, 32.4337



0.4250, 0.5605, 1.0340

Inverse Universe

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



26.2388, 16.0221, 31.8476



44.7010, 24.5400, 52.9482



29.8870, 30.7994, 10.0010



8.7650, 8.6127, 10.2608



16.4014, 8.0781, 17.8057



0.5365, 0.2624, 0.6680

Previews

White Background



This preview shows how the XYZ color 21.8814, 27.2620, 46.2283 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 21.8814, 27.2620, 46.2283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

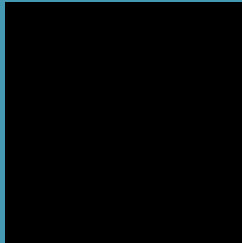
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.8814, 27.2620, 46.2283

Background



This preview shows how black text looks on a background with the XYZ color 21.8814, 27.2620, 46.2283.



This preview shows how white text looks on a background with the XYZ color 21.8814, 27.2620,

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

21.8814, 27.2620, 46.2283

Protanopia

26.6929, 26.8550, 41.3128

Deuteranopia

27.5648, 26.9523, 47.4656



Tritanopia

20.8107, 27.3227, 40.7362

Trichromacy



Original Color

21.8814, 27.2620, 46.2283

Protanomaly

24.2539, 26.6741, 42.9000

Deuteranomaly

24.7670, 26.6213, 47.0131

Tritanomaly

21.1531, 27.2097, 42.6652

Monochromacy



Original Color

21.8814, 27.2620, 46.2283

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.7623, 23.7915, 31.5149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8814, 27.2620, 46.2283 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(69, 153, 178)` looks like.

```
.text, #text, p{  
    color:rgb(69, 153, 178)  
}
```

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(69, 153, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 153, 178) }
```

Border

The CSS property to change the border of an element to XYZ 21.8814, 27.2620, 46.2283 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(69, 153, 178) }
```


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

```
.border{ border-color:rgb(69, 153, 178) }
```

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

Here you see how a box with a 4 pixel rgb(69, 153, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 153, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 153, 178);  
box-shadow:4px 4px 4px 4px rgb(69, 153,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8814, 27.2620, 46.2283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 153, 178) }
```

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

```
.background{ background-color: rgb(69, 153,  
178) }
```

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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