

Converting Colors

XYZ(21.1546, 25.3633, 46.4288)

Have a look what the booklet for
XYZ(21.1546, 25.3633, 46.4288)
contains.

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Color

**XYZ(21.2429, 25.4998,
46.4502)**

Conversions

Conversions Part 1

Format	Color
Hex	4893B3
RGB	72, 147, 179
RGB Percent	28%, 58%, 70%
CMY	0.7176, 0.4235, 0.2980
CMYK	0.60, 0.18, 0.00, 0.30
HSL	198°, 43%, 49%
HSV	198°, 60%, 70%
XYZ	21.2429, 25.4998, 46.4502
YIQ	128.2230, -54.9720, -5.9480

Conversions

Conversions Part 2

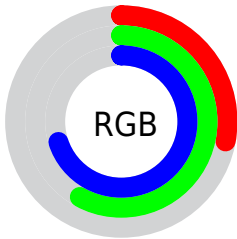
Format	Color
R_{YB}	72, 116, 179
Decimal	4756403
CIE _{Lab}	57.56, -13.63, -23.73
CIE _{LCh}	58, 27.370, 240.125
Yxy	25.4998, 0.2279, 0.2736
Android (android.graphics.Color)	4282946483 (0xFF4893B3)
YUV	128.2230, 25.0331, -49.3076
Hunter-Lab	50.4973, -13.2801, -19.1901

Details

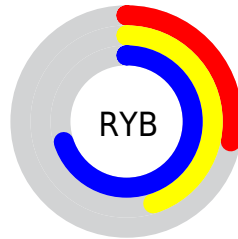
The XYZ color **21.2429, 25.4998, 46.4502** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **24.7113, 19.9534, 8.6808**, and the grayscale version is **20.5255, 21.5945, 23.5164**.

A 20% lighter version of the original color is **44.9353, 52.4386, 86.3506**, and **7.9488, 9.8721, 21.2252** is the 20% darker color. If you saturate the color by 10%, you get **19.2846, 23.2835, 46.1261**, and if you desaturate by 10%, it is **23.6301, 27.9957, 46.8066**.

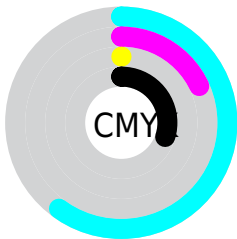
Distribution



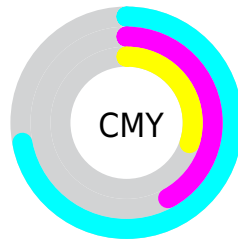
- Red (28%)
- Green (58%)
- Blue (70%)



- Red (28%)
- Yellow (45%)
- Blue (70%)



- Cyan (60%)
- Magenta (18%)
- Yellow (0%)
- Black (30%)



- Cyan (72%)
- Magenta (42%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2429, 25.4998, 46.4502 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 21.2429, 25.4998, 46.4502 by changing the saturation by 10% instead.

■ 21.2429, 25.4998,
46.4502

■ 21.2429, 25.4998,
46.4502

251.2739,
280.3179, 388.9457

■ 13.4151, 16.4498,
32.2500

■ 44.9797, 52.4669,
86.2337

■ 7.7940, 9.8430,
21.2861

■ 61.6194, 71.1528,
112.6541

■ 4.0141, 5.2950,
13.1400

■ 81.9272, 93.8194,
143.9850

■ 1.7101, 2.4214,
7.3932

■ 106.2683,
120.8512, 180.6450

■ 0.4626, 0.8368,
3.6270

■ 135.0082,
152.6326, 223.0524

■ 0.0000, 0.0000,
1.4231

168.5122,

■ 0.0000, 0.0000,

189.5479, 271.6260

0.1596

207.1457,
231.9815, 326.7843

■ 0.0000, 0.0000,
0.0000

■ 21.2429, 25.4998,
46.4502

■ 21.2429, 25.4998,
46.4502

■ 19.2846, 23.2835,
46.1261

■ 23.6301, 27.9957,
46.8066

■ 17.7173, 21.3251,
45.8307

■ 26.4748, 30.7852,
47.1951

■ 16.5005, 19.6033,
45.5625

■ 29.8059, 33.8845,
47.6178

■ 15.5502, 18.0740,
45.3174

■ 33.6492, 37.3075,
48.0759

■ 15.5297, 18.0406,
45.3120

■ 38.0284, 41.0674,
48.5708

■ 42.9659, 45.1761,
49.1037

■ 48.4825, 49.6454,
49.6756

■ 54.5983, 54.4859,
50.2875

■ 61.3319, 59.7083,
50.9407

Harmonies

Analogous

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



19.2033, 25.4998, 37.7989



21.2429, 25.4998, 46.4502



24.2505, 25.4998, 49.8984

Triad

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



21.2429, 25.4998, 46.4502



31.0706, 25.4998, 27.7258



21.2212, 25.4998, 14.9389

Complementary

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



21.2429, 25.4998, 46.4502



24.7113, 19.9534, 8.6808

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.



24.2231, 25.4998, 13.3897



21.2429, 25.4998, 46.4502



30.0809, 25.4998, 19.6852

Square

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



21.2429, 25.4998, 46.4502



30.0967, 25.4998, 37.7157



27.4995, 25.4998, 14.9130



19.1916, 25.4998, 19.7392

Rectangle

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



21.2429, 25.4998, 46.4502



26.4611, 25.4998, 48.2938



27.4995, 25.4998, 14.9130



22.1408, 25.4998, 14.0760

Sweetspot

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



21.2437, 25.5007, 46.4508



61.3555, 67.7672, 86.2278



21.2075, 34.5842, 18.2117



13.1228, 14.6027, 19.0492



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.



21.2437, 25.5007, 46.4508



33.4958, 40.4418, 82.4218



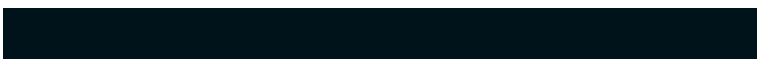
14.9189, 12.8510, 44.3425



8.5238, 9.1938, 10.8317



11.0328, 12.8659, 32.0389



0.3952, 0.5009, 1.0241

Inverse Universe

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



26.1750, 16.3260, 29.3763



43.6358, 24.3226, 46.6957



31.6186, 33.7679, 10.9833



8.7396, 8.6026, 10.1271



15.8035, 7.8390, 14.6570



0.5215, 0.2563, 0.5889

Previews

White Background



This preview shows how the XYZ color 21.2429, 25.4998, 46.4502 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 21.2429, 25.4998, 46.4502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

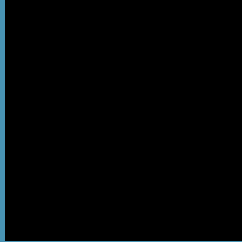
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.2429, 25.4998, 46.4502

Background



This preview shows how black text looks on a background with the XYZ color 21.2429, 25.4998, 46.4502.

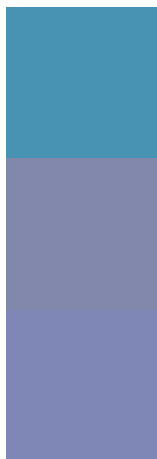


This preview shows how white text looks on a background with the XYZ color 21.2429, 25.4998,

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

21.2429, 25.4998, 46.4502

Protanopia

25.2081, 25.2157, 42.0666

Deuteranopia

25.8599, 25.2174, 47.7604



Tritanopia

19.6079, 25.5451, 38.0797

Trichromacy



Original Color

21.2429, 25.4998, 46.4502

Protanomaly

23.2024, 25.0003, 43.6470

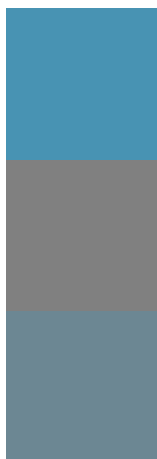
Deuteranomaly

23.6365, 24.9272, 47.2817

Tritanomaly

20.1992, 25.5510, 40.9130

Monochromacy



Original Color

21.2429, 25.4998, 46.4502

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.1148, 22.6227, 30.9102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2429, 25.4998, 46.4502 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(72, 147, 179)` looks like.

```
.text, #text, p{  
    color:rgb(72, 147, 179)  
}
```

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(72, 147, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 147, 179) }
```

Border

The CSS property to change the border of an element to XYZ 21.2429, 25.4998, 46.4502 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(72, 147, 179) }
```


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

```
.border{ border-color:rgb(72, 147, 179) }
```

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

Here you see how a box with a 4 pixel rgb(72, 147, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 147, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 147, 179);  
box-shadow:4px 4px 4px 4px rgb(72, 147,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2429, 25.4998, 46.4502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 147, 179) }
```

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

```
.background{ background-color: rgb(72, 147,  
179) }
```

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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