

Converting Colors

XYZ(12.1464, 10.3910, 22.3847)

Have a look what the booklet for
XYZ(12.1464, 10.3910, 22.3847)
contains.

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Color

**XYZ(12.1595, 10.3949,
22.4846)**

Conversions

Conversions Part 1

Format	Color
Hex	625382
RGB	98, 83, 130
RGB Percent	38%, 33%, 51%
CMY	0.6157, 0.6745, 0.4902
CMYK	0.25, 0.36, 0.00, 0.49
HSL	259°, 22%, 42%
HSV	259°, 36%, 51%
XYZ	12.1595, 10.3949, 22.4846
YIQ	92.8430, -6.1470, 17.7970

Conversions

Conversions Part 2

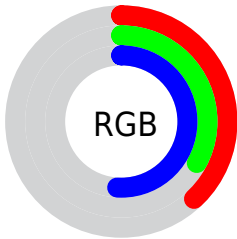
Format	Color
R_{YB}	98, 83, 130
Decimal	6443906
CIE Lab	38.54, 16.84, -24.18
CIE LCh	39, 29.466, 304.865
Yxy	10.3949, 0.2700, 0.2308
Android (android.graphics.Color)	4284633986 (0xFF625382)
YUV	92.8430, 18.3184, 4.5227
Hunter-Lab	32.2411, 10.8980, -18.7794

Details

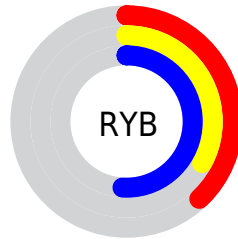
The XYZ color **12.1595, 10.3949, 22.4846** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **16.6145, 20.2349, 11.2141**, and the grayscale version is **10.3279, 10.8658, 11.8328**.

A 20% lighter version of the original color is **29.5124, 26.6780, 48.3936**, and **3.4565, 2.6435, 7.9175** is the 20% darker color. If you saturate the color by 10%, you get **10.3538, 8.1236, 22.1415**, and if you desaturate by 10%, it is **14.2581, 13.0945, 22.8953**.

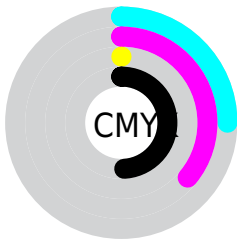
Distribution



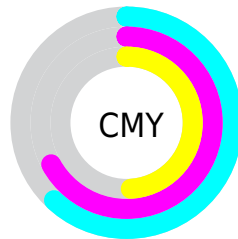
- Red (38%)
- Green (33%)
- Blue (51%)



- Red (38%)
- Yellow (33%)
- Blue (51%)



- Cyan (25%)
- Magenta (36%)
- Yellow (0%)
- Black (49%)



- Cyan (62%)
- Magenta (67%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1595, 10.3949, 22.4846 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 12.1595, 10.3949, 22.4846 by changing the saturation by 10% instead.

■ 12.1595, 10.3949,
22.4846

■ 12.1595, 10.3949,
22.4846

199.2068,
193.4678, 278.1022

■ 6.9254, 5.6616,
14.0117

■ 29.3996, 26.5357,
48.4581

■ 3.4614, 2.6404,
7.9900

■ 42.1363, 38.7119,
66.7957

■ 1.4022, 0.9470,
4.0008

■ 58.1046, 54.1379,
89.2587

■ 0.2578, 0.0000,
1.6258

■ 77.6697, 73.1980,
116.2655

■ 0.0000, 0.0000,
0.3091

■ 101.1972, 96.2766,
148.2347

■ 0.0000, 0.0000,
0.0000

129.0523,

123.7582, 185.5849

161.6004,
156.0271, 228.7345

■ 12.1595, 10.3949,
22.4846

■ 12.1595, 10.3949,
22.4846

■ 10.3538, 8.1236,
22.1415

■ 14.2581, 13.0945,
22.8953

■ 8.8261, 6.2567,
21.8617

■ 16.6613, 16.2422,
23.3762

■ 7.5615, 4.7698,
21.6414

■ 19.3817, 19.8579,
23.9307

■ 6.5436, 3.6353,
21.4760

■ 22.4307, 23.9600,
24.5618

■ 5.7533, 2.8216,
21.3606

■ 25.8191, 28.5659,
25.2722

■ 5.1611, 2.2758,
21.2865

■ 29.5572, 33.6920,
26.0646

■ 4.9633, 2.0932,
21.2617

■ 33.6550, 39.3542,
26.9416

■ 38.1218, 45.5676,
27.9054

■ 42.9668, 52.3465,
28.9585

Harmonies

Analogous

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



10.1985, 10.3949, 25.5736



12.1595, 10.3949, 22.4846



13.6393, 10.3949, 16.4655

Triad

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



12.1595, 10.3949, 22.4846



11.5435, 10.3949, 4.1602



6.6215, 10.3949, 12.2448

Complementary

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



12.1595, 10.3949, 22.4846



16.6145, 20.2349, 11.2141

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.



6.8840, 10.3949, 7.3740



12.1595, 10.3949, 22.4846



9.5683, 10.3949, 3.6825

Square

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



12.1595, 10.3949, 22.4846



13.2524, 10.3949, 6.2606



7.9049, 10.3949, 4.6407



7.1346, 10.3949, 18.5548

Rectangle

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



12.1595, 10.3949, 22.4846



14.0612, 10.3949, 12.2974



7.9049, 10.3949, 4.6407



6.6226, 10.3949, 10.3925

Sweetspot

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



12.1599, 10.3953, 22.4848



31.6197, 31.6207, 41.6294



13.7409, 15.7391, 23.4330



7.0391, 7.0006, 9.3986



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.1599, 10.3953, 22.4848



18.8839, 15.1153, 39.1148



15.0618, 11.8913, 22.6206



4.2281, 4.2732, 5.4152



4.7656, 2.0105, 20.3868



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.3940, 12.1705, 17.7579



25.5156, 18.7616, 29.1472



13.9197, 18.8457, 11.0880



4.4416, 4.3898, 5.1298



10.5396, 5.2355, 9.4311



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.1595, 10.3949, 22.4846 looks on a white 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

Black Background



This preview shows how the XYZ color 12.1595, 10.3949, 22.4846 looks on a black 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

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

XYZ 12.1595, 10.3949, 22.4846

Background



This preview shows how black text looks on a background with the XYZ color 12.1595, 10.3949, 22.4846.

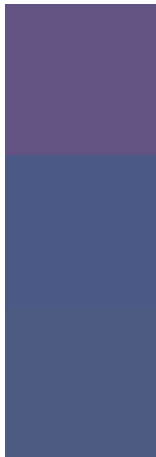


This preview shows how white text looks on a background with the XYZ color 12.1595, 10.3949,

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

12.1595, 10.3949, 22.4846

Protanopia

10.8472, 10.3899, 24.3554

Deuteranopia

10.6792, 10.4751, 22.2279



Tritanopia

10.2275, 10.4507, 12.7874

Trichromacy



Original Color

12.1595, 10.3949, 22.4846

Protanomaly

11.2091, 10.3488, 23.5970

Deuteranomaly

11.1170, 10.3327, 22.1774

Tritanomaly

10.7846, 10.3002, 15.8877

Monochromacy



Original Color

12.1595, 10.3949, 22.4846

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.8932, 10.6183, 15.1111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1595, 10.3949, 22.4846 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(98, 83, 130) looks like.

```
.text, #text, p{  
    color:rgb(98, 83, 130)  
}
```

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(98, 83, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 83, 130) }
```

Border

The CSS property to change the border of an element to XYZ 12.1595, 10.3949, 22.4846 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(98, 83, 130) }
```


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

```
.border{ border-color:rgb(98, 83, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 83, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 83, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 83, 130);  
box-shadow:4px 4px 4px 4px rgb(98, 83,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1595, 10.3949, 22.4846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 83, 130) }
```

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

```
.background{ background-color: rgb(98, 83,  
130) }
```

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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