

Converting Colors

XYZ(21.5624, 13.6906, 2.2668)

Have a look what the booklet for
XYZ(21.5624, 13.6906, 2.2668)
contains.

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Color

**XYZ(21.6346, 13.6935,
2.2619)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | B83E16 |
| RGB | 184, 62, 22 |
| RGB Percent | 72%, 24%, 9% |
| CMY | 0.2784, 0.7568, 0.9137 |
| CMYK | 0.00, 0.66, 0.88, 0.28 |
| HSL | 15°, 79%, 40% |
| HSV | 15°, 88%, 72% |
| XYZ | 21.6346, 13.6935, 2.2619 |
| YIQ | 93.9180, 85.5520, 13.4240 |

Conversions

Conversions Part 2

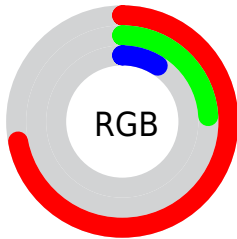
| Format | Color |
|-------------------------------------|--|
| RYB | 184, 75, 22 |
| Decimal | 12074518 |
| CIELab | 43.79, 47.57, 48.11 |
| CIElCh | 44, 67.655, 45.322 |
| Yxy | 13.6935, 0.5755, 0.3643 |
| Android (android.graphics.Color) | 4290264598 (0xFFB83E16) |
| YUV | 93.9180, -35.4556, 79.0019 |
| Hunter-Lab | 37.0047, 39.6007, 22.2792 |

Details

The XYZ color **21.6346, 13.6935, 2.2619** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **18.9548, 23.5757, 48.8986**, and the grayscale version is **10.6876, 11.2442, 12.2449**.

A 20% lighter version of the original color is **45.5940, 32.4778, 9.6601**, and **8.1684, 4.2110, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **20.8499, 12.3245, 1.3834**, and if you desaturate by 10%, it is **22.7320, 15.4964, 3.8365**.

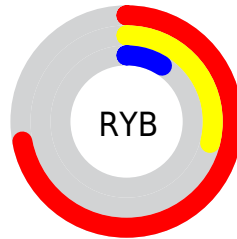
Distribution



 Red (72%)

 Green (24%)

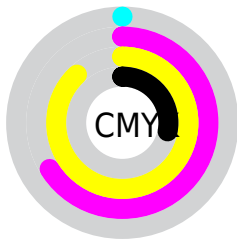
 Blue (9%)



 Red (72%)

 Yellow (29%)

 Blue (9%)

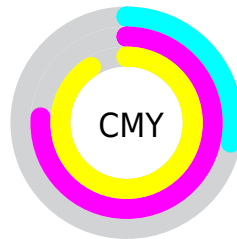



 Cyan (0%)

 Magenta (66%)

 Yellow (88%)

 Black (28%)



 Cyan (28%)


 Magenta (76%)


 Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6346, 13.6935, 2.2619 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 21.6346, 13.6935, 2.2619 by changing the saturation by 10% instead.


 21.6346, 13.6935,
2.2619


 21.6346, 13.6935,
2.2619


253.3005,
215.3157, 126.3195


 13.7038, 7.9078,
0.7098


 45.6247, 32.5442,
9.7452


 7.9952, 4.0360,
0.0000

 62.4146, 46.3780,
16.5352

 4.1437, 1.6937,
0.0000

 82.8883, 63.6632,
25.9154

 1.7837, 0.4196,
0.0000

 107.4111, 84.7844,
38.3044


 0.5078, 0.0000,
0.0000


 136.3484,
110.1258, 54.1208


 0.0000, 0.0000,
0.0000


 170.0655,


140.0719, 73.7831


 208.9277,
175.0070, 97.7098


 21.6346, 13.6935,
2.2619


 21.6346, 13.6935,
2.2619

 20.8499, 12.3245,
1.3834


 22.7320, 15.4964,
3.8365

 20.7223, 12.1008,
1.2435

 24.1839, 17.7691,
6.2659

 26.0214, 20.5444,
9.6525

 28.2717, 23.8509,
14.0839

 30.9593, 27.7152,
19.6378

■ 34.1067, 32.1619,
26.3843

■ 37.7349, 37.2143,
34.3878

■ 41.8632, 42.8942,
43.7081

■ 46.5103, 49.2223,
54.4012

Harmonies

Analogous

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



25.6153, 13.6935, 8.4205



21.6346, 13.6935, 2.2619



15.7892, 13.6935, 0.7029

Triad

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



21.6346, 13.6935, 2.2619



5.4045, 13.6935, 8.6398



15.9159, 13.6935, 64.9241

Complementary

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



21.6346, 13.6935, 2.2619



18.9548, 23.5757, 48.8986

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.



10.5869, 13.6935, 65.1518



21.6346, 13.6935, 2.2619



5.4211, 13.6935, 24.0897

Square

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



21.6346, 13.6935, 2.2619



7.0026, 13.6935, 2.3288



7.0566, 13.6935, 47.0401



21.7490, 13.6935, 46.5406

Rectangle

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



21.6346, 13.6935, 2.2619



12.0876, 13.6935, 0.5689



7.0566, 13.6935, 47.0401



13.9893, 13.6935, 67.3997

Sweetspot

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



21.6349, 13.6943, 2.2621



62.8258, 59.7000, 50.0048



25.2578, 12.8457, 28.4240



13.0906, 12.2343, 9.7938



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.6349, 13.6943, 2.2621



37.4074, 21.6208, 2.2016



29.4073, 29.2390, 4.8529



9.1800, 9.3629, 9.4303



14.3298, 8.4360, 0.8730



0.5554, 0.3980, 0.0475

Inverse Universe

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



18.9548, 23.5757, 48.8986



32.1070, 39.1201, 88.0633



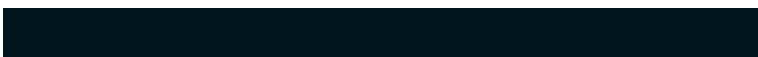
10.8844, 7.4350, 46.2085



9.0738, 9.8248, 11.4976



12.3399, 15.1394, 33.5249



0.4806, 0.6249, 1.1970

Previews

White Background



This preview shows how the XYZ color 21.6346, 13.6935, 2.2619 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 21.6346, 13.6935, 2.2619 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 21.6346, 13.6935, 2.2619

Background



This preview shows how black text looks on a background with the XYZ color 21.6346, 13.6935, 2.2619.



This preview shows how white text looks on a background with the XYZ color 21.6346, 13.6935,

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

21.6346, 13.6935, 2.2619

Protanopia

12.6622, 13.9949, 3.4728

Deuteranopia

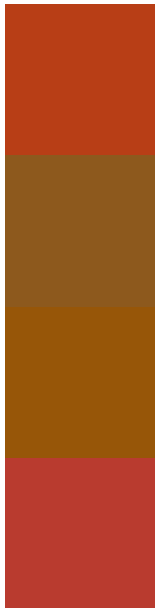
13.9776, 13.8292, 1.9326



Tritanopia

22.3629, 13.6773, 5.8762

Trichromacy



Original Color

21.6346, 13.6935, 2.2619

Protanomaly

14.7787, 12.8962, 2.8727

Deuteranomaly

16.1341, 13.2524, 1.9373

Tritanomaly

22.0846, 13.6475, 4.1596

Monochromacy



Original Color

21.6346, 13.6935, 2.2619

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.8131, 10.9640, 6.9098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6346, 13.6935, 2.2619 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(184, 62, 22)` looks like.

```
.text, #text, p{  
    color:rgb(184, 62, 22)  
}
```

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(184, 62, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 62, 22) }
```

Border

The CSS property to change the border of an element to XYZ 21.6346, 13.6935, 2.2619 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(184, 62, 22) }
```


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

```
.border{ border-color:rgb(184, 62, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 62, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 62, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 62, 22);  
box-shadow:4px 4px 4px 4px rgb(184, 62,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6346, 13.6935, 2.2619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 62, 22) }
```

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

```
.background{ background-color: rgb(184, 62,  
22) }
```

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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