

Converting Colors

XYZ(22.0640, 17.2626, 0.8014)

Have a look what the booklet for
XYZ(22.0640, 17.2626, 0.8014)
contains.

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Color

**XYZ(22.2744, 17.2937,
2.1640)**

Conversions

Conversions Part 1

Format	Color
Hex	B25D00
RGB	178, 93, 0
RGB Percent	70%, 36%, 0%
CMY	0.3020, 0.6353, 1.0000
CMYK	0.00, 0.48, 1.00, 0.30
HSL	31°, 100%, 35%
HSV	31°, 100%, 70%
XYZ	22.2744, 17.2937, 2.1640
YIQ	107.8130, 80.5130, -10.9030

Conversions

Conversions Part 2

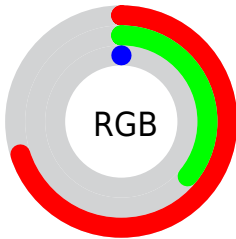
Format	Color
RYB	163, 178, 0
Decimal	11689216
CIELab	48.63, 29.70, 57.25
CIELCh	49, 64.497, 62.584
Yxy	17.2937, 0.5337, 0.4144
Android (android.graphics.Color)	4289879296 (0xFFB25D00)
YUV	107.8130, -53.1518, 61.5540
Hunter-Lab	41.5857, 22.8344, 26.0247

Details

The XYZ color **22.2744, 17.2937, 2.1640** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **11.2841, 9.7108, 43.3986**, and the grayscale version is **14.3305, 15.0768, 16.4187**.

A 20% lighter version of the original color is **46.7507, 38.8087, 9.4417**, and **8.4096, 5.7283, 0.6624** is the 20% darker color. If you saturate the color by 10%, you get **22.2746, 17.2943, 2.1641**, and if you desaturate by 10%, it is **23.1704, 18.9137, 2.9934**.

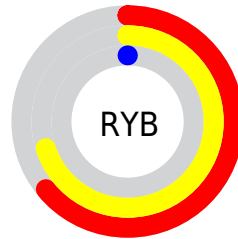
Distribution



Red (70%)

Green (36%)

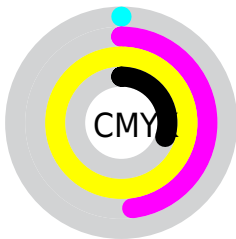
Blue (0%)



Red (64%)

Yellow (70%)

Blue (0%)

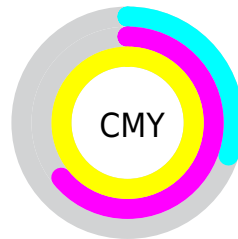


Cyan (0%)

Magenta (48%)

Yellow (100%)

Black (30%)



Cyan (30%)

Magenta (64%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.2744, 17.2937, 2.1640 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 22.2744, 17.2937, 2.1640 by changing the saturation by 10% instead.


 22.2744, 17.2937,
2.1640


 22.2744, 17.2937,
2.1640


256.5814,
236.8592, 124.8735


 14.1764, 10.4441,
0.6535


 46.6746, 38.8301,
9.4845


 8.3260, 5.6944,
0.0000


 63.7075, 54.2856,
16.1638


 4.3578, 2.6602,
0.0000

 84.4494, 73.3786,
25.4138

 1.9065, 0.9570,
0.0000

 109.2656, 96.4935,
37.6530

 0.5806, 0.0000,
0.0000

 138.5216,
124.0146, 53.3001

 0.0000, 0.0000,
0.0000

 172.5827,

156.3263, 72.7735

211.8142,
193.8131, 96.4918

22.2744, 17.2937,
2.1640

22.2744, 17.2937,
2.1640

22.2746, 17.2943,
2.1641

23.1704, 18.9137,
2.9934

24.2488, 20.7428,
4.3632

25.5498, 22.8016,
6.4716

27.0936, 25.1022,
9.4127

28.8976, 27.6550,
13.2668

■ 30.9771, 30.4697,
18.1043

■ 33.3462, 33.5553,
23.9887

■ 36.0179, 36.9204,
30.9781

■ 39.0042, 40.5729,
39.1265

Harmonies

Analogous

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



28.0559, 17.2937, 6.1397



22.2744, 17.2937, 2.1640



15.9278, 17.2937, 1.4127

Triad

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



22.2744, 17.2937, 2.1640



7.4663, 17.2937, 20.3429



23.3841, 17.2937, 62.0024

Complementary

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



22.2744, 17.2937, 2.1640



11.2841, 9.7108, 43.3986

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.



16.9573, 17.2937, 74.0222



22.2744, 17.2937, 2.1640



8.5718, 17.2937, 42.4980

Square

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



22.2744, 17.2937, 2.1640



8.2426, 17.2937, 7.4305



11.7207, 17.2937, 65.3228



28.7975, 17.2937, 38.2543

Rectangle

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



22.2744, 17.2937, 2.1640



12.4309, 17.2937, 1.9001



11.7207, 17.2937, 65.3228



21.2231, 17.2937, 68.0291

Sweetspot

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



22.2748, 17.2946, 2.1643



60.2347, 60.5472, 42.8976



20.0410, 10.1374, 9.7119



12.9362, 12.8863, 8.4750



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.



22.2748, 17.2946, 2.1643



40.1622, 30.8987, 3.8473



33.6067, 40.9581, 6.1346



8.8514, 9.2154, 8.9648



16.0013, 12.5012, 1.5696



0.5614, 0.5093, 0.0687

Inverse Universe

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



11.2841, 9.7108, 43.3986



20.2357, 17.1552, 78.6259



8.0730, 3.2336, 42.3176



8.3655, 8.8772, 10.7789



8.1361, 7.0726, 31.0733



0.3145, 0.3396, 0.9972

Previews

White Background



This preview shows how the XYZ color 22.2744, 17.2937, 2.1640 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 22.2744, 17.2937, 2.1640 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 22.2744, 17.2937, 2.1640

Background



This preview shows how black text looks on a background with the XYZ color 22.2744, 17.2937, 2.1640.



This preview shows how white text looks on a background with the XYZ color 22.2744, 17.2937,

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

22.2744, 17.2937, 2.1640

Protanopia

15.6917, 17.3506, 2.9739

Deuteranopia

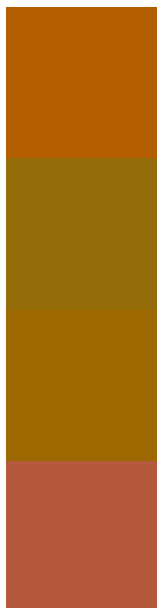
17.6086, 17.3549, 2.4218



Tritanopia

24.3156, 17.2520, 12.1736

Trichromacy



Original Color

22.2744, 17.2937, 2.1640

Protanomaly

17.6301, 17.0429, 2.6476

Deuteranomaly

19.0509, 17.1697, 2.3100

Tritanomaly

23.1842, 17.1638, 6.2287

Monochromacy



Original Color

22.2744, 17.2937, 2.1640

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.5973, 15.1167, 7.7260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2744, 17.2937, 2.1640 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(178, 93, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 93, 0)  
}
```

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(178, 93, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 93, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.2744, 17.2937, 2.1640 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(178, 93, 0) }
```


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

```
.border{ border-color:rgb(178, 93, 0) }
```

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

Here you see how a box with a 4 pixel rgb(178, 93, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 93, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 93, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 93, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.2744, 17.2937, 2.1640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 93, 0) }
```

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

```
.background{ background-color: rgb(178, 93,  
0) }
```

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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