

Converting Colors

XYZ(22.4965, 33.0406, 7.6390)

Have a look what the booklet for
XYZ(22.4965, 33.0406, 7.6390)
contains.

XYZ(22.6443, 33.2372, 7.7046)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.6443, 33.2372,
7.7046)**

Conversions

Conversions Part 1

Format	Color
Hex	77AB2D
RGB	119, 171, 45
RGB Percent	47%, 67%, 18%
CMY	0.5333, 0.3294, 0.8235
CMYK	0.30, 0.00, 0.74, 0.33
HSL	85°, 58%, 42%
HSV	85°, 74%, 67%
XYZ	22.6443, 33.2372, 7.7046
YIQ	141.0880, 9.4540, -50.2100

Conversions

Conversions Part 2

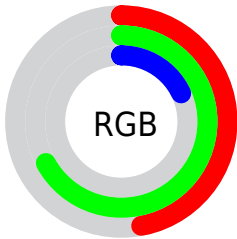
Format	Color
RYB	45, 171, 97
Decimal	7842605
CIELab	64.35, -36.38, 55.82
CIELCh	64, 66.627, 123.099
Yxy	33.2372, 0.3561, 0.5227
Android (android.graphics.Color)	4286032685 (0xFF77AB2D)
YUV	141.0880, -47.3714, -19.3712
Hunter-Lab	57.6517, -30.7797, 32.4327

Details

The XYZ color **22.6443, 33.2372, 7.7046** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **13.2204, 7.3595, 39.2537**, and the grayscale version is **25.5303, 26.8599, 29.2504**.

A 20% lighter version of the original color is **47.4004, 64.9530, 21.8433**, and **8.5928, 14.0469, 2.2584** is the 20% darker color. If you saturate the color by 10%, you get **21.4468, 32.6516, 6.2647**, and if you desaturate by 10%, it is **24.0487, 33.9162, 9.8516**.

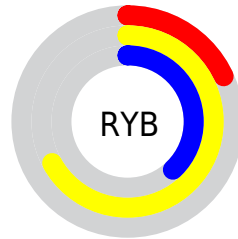
Distribution



Red (47%)

Green (67%)

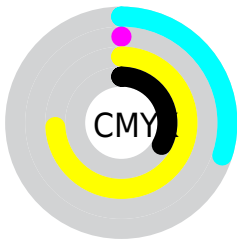
Blue (18%)



Red (18%)

Yellow (67%)

Blue (38%)

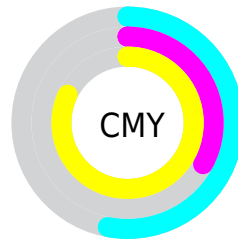


Cyan (30%)

Magenta (0%)

Yellow (74%)

Black (33%)



Cyan (53%)

Magenta (33%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6443, 33.2372, 7.7046 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 22.6443, 33.2372, 7.7046 by changing the saturation by 10% instead.

■ 22.6443, 33.2372,
7.7046

■ 22.6443, 33.2372,
7.7046

258.4623,
316.7172, 183.2436

■ 14.4503, 22.3082,
3.8215

■ 47.2796, 64.7457,
21.9138

■ 8.5183, 14.0835,
1.5279

■ 64.4516, 86.0940,
33.0770

■ 4.4829, 8.1788,
0.2386

■ 85.3470, 111.6841,
47.5039

■ 1.9788, 4.2096,
0.0000

■ 110.3311,
141.9006, 65.6130

■ 0.6220, 1.7915,
0.0000

■ 139.7694,
177.1278, 87.8231

■ 0.0000, 0.4819,
0.0000

■ 174.0271,

■ 0.0000, 0.0000,

217.7500, 114.5525

0.0000

213.4696,
264.1517, 146.2198

■ 22.6443, 33.2372,
7.7046

■ 22.6443, 33.2372,
7.7046

■ 21.4468, 32.6516,
6.2647

■ 24.0487, 33.9162,
9.8516

■ 20.4350, 32.1472,
5.4387

■ 25.6735, 34.6907,
12.7793

■ 19.8662, 31.8608,
5.1027

■ 27.5335, 35.5680,
16.5545

■ 29.6414, 36.5531,
21.2363

■ 32.0086, 37.6511,
26.8783

■ 34.6459, 38.8661,
33.5302

■ 37.5634, 40.2026,
41.2381

■ 40.7706, 41.6644,
50.0452

■ 44.2765, 43.2552,
59.9926

Harmonies

Analogous

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



30.6157, 33.2372, 5.0820



22.6443, 33.2372, 7.7046



17.9620, 33.2372, 17.3329

Triad

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



22.6443, 33.2372, 7.7046



24.0391, 33.2372, 105.5786



53.5168, 33.2372, 33.4400

Complementary

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



22.6443, 33.2372, 7.7046



13.2204, 7.3595, 39.2537

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.



50.7984, 33.2372, 65.3277



22.6443, 33.2372, 7.7046



32.5867, 33.2372, 117.3728

Square

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



22.6443, 33.2372, 7.7046



18.6469, 33.2372, 72.8464



42.6294, 33.2372, 99.9204



49.4577, 33.2372, 14.5094

Rectangle

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



22.6443, 33.2372, 7.7046



16.7280, 33.2372, 30.2711



42.6294, 33.2372, 99.9204



53.3671, 33.2372, 42.8333

Sweetspot

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



22.6451, 33.2387, 7.7053



57.9060, 67.6972, 49.5719



21.3979, 17.1053, 4.6570



12.6519, 14.9759, 10.4131



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



22.6451, 33.2387, 7.7053



37.3058, 57.9269, 10.2289



16.7594, 30.2045, 7.4299



8.3382, 9.1629, 8.5425



15.0364, 24.0486, 3.8493



0.4785, 0.7000, 0.1099

Inverse Universe

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



13.2204, 7.3595, 39.2537



19.6355, 9.1707, 69.7371



22.4698, 12.1277, 39.6866



7.8803, 7.9126, 10.0646



7.5340, 3.2438, 29.2735



0.2727, 0.1228, 0.8173

Previews

White Background



This preview shows how the XYZ color 22.6443, 33.2372, 7.7046 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 22.6443, 33.2372, 7.7046 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 ✓ Pass

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

XYZ 22.6443, 33.2372, 7.7046

Background



This preview shows how black text looks on a background with the XYZ color 22.6443, 33.2372, 7.7046.



This preview shows how white text looks on a background with the XYZ color 22.6443, 33.2372,

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

22.6443, 33.2372, 7.7046

Protanopia

29.7443, 32.9357, 6.8874

Deuteranopia

33.5039, 32.9155, 8.0775



Tritanopia

30.0089, 33.2711, 43.8700

Trichromacy



Original Color

22.6443, 33.2372, 7.7046

Protanomaly

26.4892, 32.5269, 7.0727

Deuteranomaly

28.4224, 32.2314, 7.8552

Tritanomaly

26.0946, 32.7244, 24.6798

Monochromacy



Original Color

22.6443, 33.2372, 7.7046

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

23.5026, 28.4836, 17.8948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6443, 33.2372, 7.7046 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(119, 171, 45)` looks like.

```
.text, #text, p{  
    color:rgb(119, 171, 45)  
}
```

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(119, 171, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 171, 45) }
```

Border

The CSS property to change the border of an element to XYZ 22.6443, 33.2372, 7.7046 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(119, 171, 45) }
```


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

```
.border{ border-color:rgb(119, 171, 45) }
```

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

Here you see how a box with a 4 pixel rgb(119, 171, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 171, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 171, 45);  
box-shadow:4px 4px 4px 4px rgb(119, 171,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6443, 33.2372, 7.7046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 171, 45) }
```

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

```
.background{ background-color: rgb(119,  
171, 45) }
```

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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