

Converting Colors

XYZ(23.7798, 32.1759, 7.5420)

Have a look what the booklet for
XYZ(23.7798, 32.1759, 7.5420)
contains.

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Color

**XYZ(23.7798, 32.1759,
7.5420)**

Conversions

Conversions Part 1

Format	Color
Hex	86A52E
RGB	134, 165, 46
RGB Percent	53%, 65%, 18%
CMY	0.4745, 0.3529, 0.8196
CMYK	0.19, 0.00, 0.72, 0.35
HSL	76°, 56%, 41%
HSV	76°, 72%, 65%
XYZ	23.7798, 32.1759, 7.5420
YIQ	142.1650, 19.7230, -43.5810

Conversions

Conversions Part 2

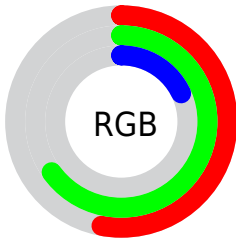
Format	Color
RYB	46, 165, 77
Decimal	8824110
CIELab	63.49, -27.56, 54.91
CIELCh	63, 61.440, 116.653
Yxy	32.1759, 0.3745, 0.5067
Android (android.graphics.Color)	4287014190 (0xFF86A52E)
YUV	142.1650, -47.4093, -7.1607
Hunter-Lab	56.7238, -24.4357, 31.8235

Details

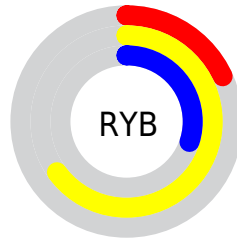
The XYZ color **23.7798, 32.1759, 7.5420** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **10.8303, 6.2492, 36.2347**, and the grayscale version is **25.9538, 27.3054, 29.7356**.

A 20% lighter version of the original color is **49.1287, 63.0536, 21.6378**, and **9.2134, 13.5157, 2.1232** is the 20% darker color. If you saturate the color by 10%, you get **22.8440, 31.7252, 6.1149**, and if you desaturate by 10%, it is **24.8700, 32.6939, 9.6301**.

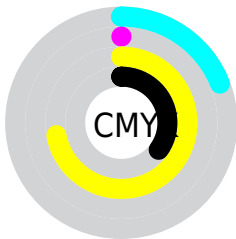
Distribution



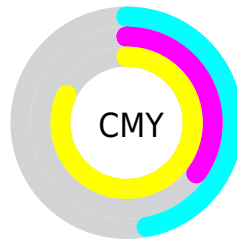
- Red (53%)
- Green (65%)
- Blue (18%)



- Red (18%)
- Yellow (65%)
- Blue (30%)



- Cyan (19%)
- Magenta (0%)
- Yellow (72%)
- Black (35%)





- Cyan (47%)
- Magenta (35%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7798, 32.1759, 7.5420 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 23.7798, 32.1759, 7.5420 by changing the saturation by 10% instead.


 23.7798, 32.1759,
7.5420


 23.7798, 32.1759,
7.5420


264.1665,
311.9198, 181.8926


 15.2942, 21.4959,
3.7198


 49.1279, 63.0867,
21.5867


 9.1138, 13.4870,
1.4729


 66.7212, 84.0864,
32.6463

 4.8732, 7.7647,
0.1976


 88.0810, 109.2946,
46.9554

 2.2070, 3.9448,
0.0000

 113.5728,
139.0960, 64.9325

 0.7464, 1.6427,
0.0000

 143.5619,
173.8748, 86.9963

 0.0000, 0.3861,
0.0000

 178.4136,

 0.0000, 0.0000,

214.0154, 113.5652

0.0000

218.4934,
259.9023, 145.0578

■ 23.7798, 32.1759,
7.5420

■ 23.7798, 32.1759,
7.5420

■ 22.8440, 31.7252,
6.1149

■ 24.8700, 32.6939,
9.6301

■ 22.0447, 31.3311,
5.2665

■ 26.1255, 33.2801,
12.4448

■ 21.4838, 31.0503,
4.8610

■ 27.5586, 33.9407,
16.0460

■ 29.1797, 34.6798,
20.4869

■ 30.9983, 35.5013,
25.8159

■ 33.0233, 36.4087,
32.0778

■ 35.2628, 37.4053,
39.3145

■ 37.7246, 38.4943,
47.5653

■ 40.4160, 39.6787,
56.8671

Harmonies

Analogous

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



31.5529, 32.1759, 5.9073



23.7798, 32.1759, 7.5420



18.7947, 32.1759, 14.9915

Triad

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



23.7798, 32.1759, 7.5420



22.4004, 32.1759, 90.9746



50.1221, 32.1759, 37.8579

Complementary

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



23.7798, 32.1759, 7.5420



10.8303, 6.2492, 36.2347

Split Complementary

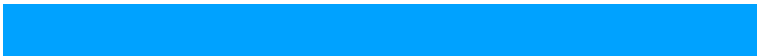
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.4872, 32.1759, 67.8430



23.7798, 32.1759, 7.5420



29.6316, 32.1759, 106.2636

Square

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



23.7798, 32.1759, 7.5420



18.1088, 32.1759, 60.7058



38.5720, 32.1759, 96.2718



47.7688, 32.1759, 17.8634

Rectangle

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



23.7798, 32.1759, 7.5420



17.2049, 32.1759, 25.2436



38.5720, 32.1759, 96.2718



49.5456, 32.1759, 47.0760

Sweetspot

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



23.7805, 32.1773, 7.5427



55.4154, 63.5330, 45.9385



18.5787, 13.3321, 4.1794



11.9271, 13.8050, 9.4817



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.7805, 32.1773, 7.5427



39.9569, 56.3464, 9.8590



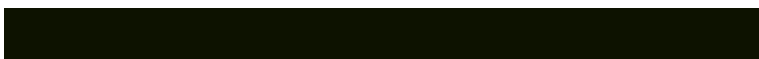
16.9101, 28.6355, 7.2211



7.4685, 8.1440, 7.5584



16.3003, 23.5136, 3.6795



0.3828, 0.5149, 0.0792

Inverse Universe

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



10.8303, 6.2492, 36.2347



15.5871, 7.2414, 64.3285



17.8017, 9.8431, 36.5609



6.8655, 6.9450, 8.8817



5.9324, 2.4647, 27.0929



0.1662, 0.0732, 0.5712

Previews

White Background



This preview shows how the XYZ color 23.7798, 32.1759, 7.5420 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 23.7798, 32.1759, 7.5420 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 23.7798, 32.1759, 7.5420

Background



This preview shows how black text looks on a background with the XYZ color 23.7798, 32.1759, 7.5420.



This preview shows how white text looks on a background with the XYZ color 23.7798, 32.1759,

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

23.7798, 32.1759, 7.5420

Protanopia

29.0049, 32.0563, 6.9443

Deuteranopia

32.6830, 32.0306, 7.9500



Tritanopia

30.4712, 32.0674, 40.6600

Trichromacy



Original Color

23.7798, 32.1759, 7.5420

Protanomaly

26.7820, 31.9047, 7.1295

Deuteranomaly

28.7834, 31.6794, 7.7297

Tritanomaly

26.8950, 31.6096, 23.0961

Monochromacy



Original Color

23.7798, 32.1759, 7.5420

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.2076, 28.3632, 18.1087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7798, 32.1759, 7.5420 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(134, 165, 46)` looks like.

```
.text, #text, p{  
    color:rgb(134, 165, 46)  
}
```

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(134, 165, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 165, 46) }
```

Border

The CSS property to change the border of an element to XYZ 23.7798, 32.1759, 7.5420 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(134, 165, 46) }
```


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

```
.border{ border-color:rgb(134, 165, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 165, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 165, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 165, 46);  
box-shadow:4px 4px 4px 4px rgb(134, 165,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7798, 32.1759, 7.5420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 165, 46) }
```

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

```
.background{ background-color: rgb(134,  
165, 46) }
```

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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