

Converting Colors

XYZ(21.2250, 27.7972, 6.7293)

Have a look what the booklet for
XYZ(21.2250, 27.7972, 6.7293)
contains.

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Color

**XYZ(21.2250, 27.7972,
6.7293)**

Conversions

Conversions Part 1

Format	Color
Hex	83992D
RGB	131, 153, 45
RGB Percent	51%, 60%, 18%
CMY	0.4863, 0.4000, 0.8235
CMYK	0.14, 0.00, 0.71, 0.40
HSL	72°, 55%, 39%
HSV	72°, 71%, 60%
XYZ	21.2250, 27.7972, 6.7293
YIQ	134.1100, 21.5560, -38.2520

Conversions

Conversions Part 2

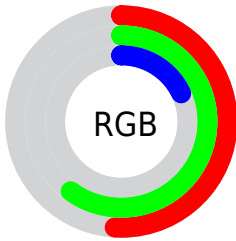
Format	Color
R_{YB}	45, 153, 67
Decimal	8624429
CIE _{Lab}	59.71, -22.97, 51.45
CIE _{LCh}	60, 56.346, 114.056
Yxy	27.7972, 0.3807, 0.4986
Android (android.graphics.Color)	4286814509 (0xFF83992D)
YUV	134.1100, -43.9312, -2.7275
Hunter-Lab	52.7230, -20.4056, 29.3387

Details

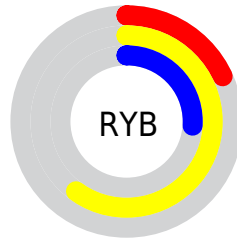
The XYZ color **21.2250, 27.7972, 6.7293** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.0038, 5.3706, 30.7006**, and the grayscale version is **22.8522, 24.0422, 26.1820**.

A 20% lighter version of the original color is **45.0109, 56.0723, 20.0060**, and **7.8933, 11.1224, 1.7308** is the 20% darker color. If you saturate the color by 10%, you get **20.5069, 27.4560, 5.4272**, and if you desaturate by 10%, it is **22.0657, 28.1911, 8.5956**.

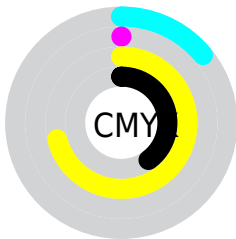
Distribution



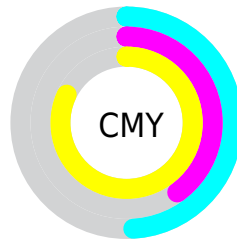
- Red (51%)
- Green (60%)
- Blue (18%)



- Red (18%)
- Yellow (60%)
- Blue (26%)



- Cyan (14%)
- Magenta (0%)
- Yellow (71%)
- Black (40%)





- Cyan (49%)
- Magenta (40%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.2250, 27.7972, 6.7293 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 21.2250, 27.7972, 6.7293 by changing the saturation by 10% instead.


 21.2250, 27.7972,
6.7293


 21.2250, 27.7972,
6.7293


251.1810,
291.4966, 174.9397


 13.4020, 18.1728,
3.2175


 44.9502, 56.1605,
19.9300


 7.7848, 11.0741,
1.2067

 61.5830, 75.6682,
30.4561

 4.0082, 6.1167,
0.0000

 81.8831, 99.2392,
44.1573

 1.7068, 2.9162,
0.0000

 106.2159,
127.2578, 61.4522

 0.4605, 1.0881,
0.0000

 134.9468,
160.1085, 82.7594

 0.0000, 0.0000,
0.0000

 168.4410,

198.1756, 108.4973

207.0639,
241.8435, 139.0846

■ 21.2250, 27.7972,
6.7293

■ 21.2250, 27.7972,
6.7293

■ 20.5069, 27.4560,
5.4272

■ 22.0657, 28.1911,
8.5956

■ 19.8971, 27.1588,
4.6234

■ 23.0376, 28.6382,
11.0790

■ 19.3940, 26.9089,
4.1718

■ 24.1506, 29.1434,
14.2283

■ 25.4131, 29.7101,
18.0868

■ 26.8326, 30.3414,
22.6942

■ 28.4164, 31.0402,
28.0875

■ 30.1711, 31.8090,
34.3008

■ 32.1028, 32.6505,
41.3666

■ 34.2176, 33.5669,
49.3154

Harmonies

Analogous

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



27.8633, 27.7972, 5.6240



21.2250, 27.7972, 6.7293



16.8169, 27.7972, 12.5960

Triad

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



21.2250, 27.7972, 6.7293



19.1734, 27.7972, 74.3815



42.5048, 27.7972, 34.5098

Complementary

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



21.2250, 27.7972, 6.7293



9.0038, 5.3706, 30.7006

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.



39.1218, 27.7972, 59.5973



21.2250, 27.7972, 6.7293



25.0282, 27.7972, 88.3867

Square

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



21.2250, 27.7972, 6.7293



15.7898, 27.7972, 49.2202



32.4012, 27.7972, 82.0214



40.9921, 27.7972, 16.9355

Rectangle

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



21.2250, 27.7972, 6.7293



15.3247, 27.7972, 20.7254



32.4012, 27.7972, 82.0214



41.8860, 27.7972, 42.3611

Sweetspot

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



21.2256, 27.7985, 6.7299



47.8302, 54.2371, 39.9048



15.5949, 10.9295, 3.7706



10.4162, 11.9116, 8.3330



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



21.2256, 27.7985, 6.7299



36.0367, 48.8348, 8.7440



14.9588, 24.5678, 6.4366



6.5856, 7.1594, 6.6406



16.0556, 22.2529, 3.4490



0.2678, 0.3470, 0.0529

Inverse Universe

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



9.0038, 5.3706, 30.7006



12.8899, 6.1385, 54.4774



14.5183, 8.2134, 30.9587



5.9962, 6.0839, 7.7873



5.2468, 2.1559, 25.0473



0.1036, 0.0452, 0.3756

Previews

White Background



This preview shows how the XYZ color 21.2250, 27.7972, 6.7293 looks on a white 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

Black Background



This preview shows how the XYZ color 21.2250, 27.7972, 6.7293 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 × Fail

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

XYZ 21.2250, 27.7972, 6.7293

Background



This preview shows how black text looks on a background with the XYZ color 21.2250, 27.7972, 6.7293.



This preview shows how white text looks on a background with the XYZ color 21.2250, 27.7972,

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

21.2250, 27.7972, 6.7293

Protanopia

25.1072, 27.6980, 6.3085

Deuteranopia

27.9921, 27.4310, 6.9513



Tritanopia

26.8105, 27.7288, 34.5110

Trichromacy



Original Color

21.2250, 27.7972, 6.7293

Protanomaly

23.4660, 27.5333, 6.4605

Deuteranomaly

25.1277, 27.2491, 6.8410

Tritanomaly

23.9522, 27.4856, 19.9624

Monochromacy



Original Color

21.2250, 27.7972, 6.7293

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.5960, 24.9956, 16.2568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2250, 27.7972, 6.7293 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(131, 153, 45)` looks like.

```
.text, #text, p{  
    color:rgb(131, 153, 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(131, 153, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 153, 45) }
```

Border

The CSS property to change the border of an element to XYZ 21.2250, 27.7972, 6.7293 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(131, 153, 45) }
```


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

```
.border{ border-color:rgb(131, 153, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 153, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 153, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 153, 45);  
box-shadow:4px 4px 4px 4px rgb(131, 153,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2250, 27.7972, 6.7293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 153, 45) }
```

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

```
.background{ background-color: rgb(131,  
153, 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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