

Converting Colors

XYZ(21.2136, 22.7505, 6.7948)

Have a look what the booklet for
XYZ(21.2136, 22.7505, 6.7948)
contains.

XYZ(21.2262, 22.7156, 6.7558)	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(21.2262, 22.7156,
6.7558)**

Conversions

Conversions Part 1

Format	Color
Hex	968236
RGB	150, 130, 54
RGB Percent	59%, 51%, 21%
CMY	0.4118, 0.4902, 0.7882
CMYK	0.00, 0.13, 0.64, 0.41
HSL	48°, 47%, 40%
HSV	48°, 64%, 59%
XYZ	21.2262, 22.7156, 6.7558
YIQ	127.3160, 36.3160, -19.3960

Conversions

Conversions Part 2

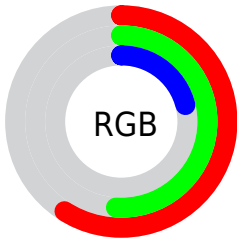
Format	Color
RYB	79, 150, 54
Decimal	9863734
CIELab	54.78, -1.73, 42.85
CIELCh	55, 42.888, 92.306
Yxy	22.7156, 0.4187, 0.4481
Android (android.graphics.Color)	4288053814 (0xFF968236)
YUV	127.3160, -36.1448, 19.8939
Hunter-Lab	47.6609, -3.9100, 24.9584

Details

The XYZ color **21.2262, 22.7156, 6.7558** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.4751, 7.8836, 29.8765**, and the grayscale version is **20.3938, 21.4559, 23.3654**.

A 20% lighter version of the original color is **44.8858, 47.9883, 19.9936**, and **7.7663, 8.3717, 1.2066** is the 20% darker color. If you saturate the color by 10%, you get **20.5177, 21.7781, 5.0418**, and if you desaturate by 10%, it is **22.0570, 23.7239, 9.0472**.

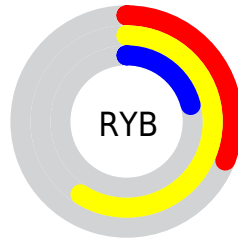
Distribution



Red (59%)

Green (51%)

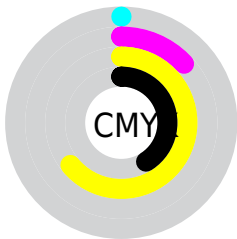
Blue (21%)



Red (31%)

Yellow (59%)

Blue (21%)

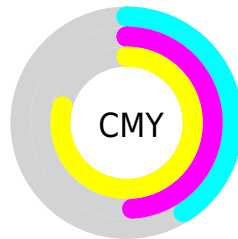


Cyan (0%)

Magenta (13%)

Yellow (64%)

Black (41%)



Cyan (41%)

Magenta (49%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2262, 22.7156, 6.7558 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 21.2262, 22.7156, 6.7558 by changing the saturation by 10% instead.

■ 21.2262, 22.7156,
6.7558

■ 21.2262, 22.7156,
6.7558

251.1872,
266.2609, 175.1721

■ 13.4029, 14.3837,
3.2337

■ 44.9521, 47.9259,
19.9847

■ 7.7854, 8.3880,
1.2152

■ 61.5854, 65.5731,
30.5285

■ 4.0086, 4.3442,
0.0000

■ 81.8861, 87.0941,
44.2501

■ 1.7070, 1.8679,
0.0000

■ 106.2195,
112.8734, 61.5679

■ 0.4606, 0.5290,
0.0000

■ 134.9509,
143.2953, 82.9005

■ 0.0000, 0.0000,
0.0000

■ 168.4458,

178.7442, 108.6663

207.0694,
219.6046, 139.2840

■ 21.2262, 22.7156,
6.7558

■ 21.2262, 22.7156,
6.7558

■ 20.5177, 21.7781,
5.0418

■ 22.0570, 23.7239,
9.0472

■ 19.9195, 20.9039,
3.8492

■ 23.0178, 24.8038,
11.9623

■ 19.4196, 20.0888,
3.1125

■ 24.1173, 25.9596,
15.5445

■ 19.1454, 19.6195,
2.7779

■ 25.3629, 27.1946,
19.8325

■ 26.7616, 28.5118,
24.8624

■ 28.3199, 29.9138,
30.6677

■ 30.0439, 31.4033,
37.2797

■ 31.9391, 32.9827,
44.7283

■ 34.0113, 34.6543,
53.0416

Harmonies

Analogous

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



26.1049, 22.7156, 8.0831



21.2262, 22.7156, 6.7558



17.0805, 22.7156, 8.5912

Triad

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



21.2262, 22.7156, 6.7558



14.7725, 22.7156, 41.4523



30.6983, 22.7156, 38.9406

Complementary

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



21.2262, 22.7156, 6.7558



9.4751, 7.8836, 29.8765

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.



26.8317, 22.7156, 53.9705



21.2262, 22.7156, 6.7558



17.6291, 22.7156, 55.7550

Square

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



21.2262, 22.7156, 6.7558



13.7104, 22.7156, 25.7976



21.9589, 22.7156, 61.0119



32.0267, 22.7156, 23.6990

Rectangle

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



21.2262, 22.7156, 6.7558



15.1571, 22.7156, 11.9692



21.9589, 22.7156, 61.0119



29.6269, 22.7156, 44.3508

Sweetspot

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



21.2267, 22.7167, 6.7563



45.8671, 49.0491, 38.9384



15.1602, 9.6278, 7.6804



10.0254, 10.7376, 8.1315



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



21.2267, 22.7167, 6.7563



35.7092, 37.7229, 7.8390



19.7121, 26.2753, 7.5230



6.1639, 6.5417, 6.1783



15.9022, 16.3187, 2.3117



0.2153, 0.2411, 0.0352

Inverse Universe

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



9.4751, 7.8836, 29.8765



13.3396, 9.5561, 52.0627



10.2349, 6.5988, 29.5884



5.5916, 5.8172, 7.2979



4.9974, 2.6896, 24.1868



0.0789, 0.0685, 0.3020

Previews

White Background



This preview shows how the XYZ color 21.2262, 22.7156, 6.7558 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 21.2262, 22.7156, 6.7558 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 21.2262, 22.7156, 6.7558

Background



This preview shows how black text looks on a background with the XYZ color 21.2262, 22.7156, 6.7558.



This preview shows how white text looks on a background with the XYZ color 21.2262, 22.7156,

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

21.2262, 22.7156, 6.7558

Protanopia

20.6362, 22.6099, 6.7665

Deuteranopia

23.1517, 22.7393, 6.9103



Tritanopia

24.7666, 22.6257, 24.5346

Trichromacy



Original Color

21.2262, 22.7156, 6.7558

Protanomaly

20.8148, 22.7020, 6.7749

Deuteranomaly

22.3795, 22.7237, 6.8210

Tritanomaly

23.1082, 22.5165, 15.9602

Monochromacy



Original Color

21.2262, 22.7156, 6.7558

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.0111, 21.5093, 15.1536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2262, 22.7156, 6.7558 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(150, 130, 54)` looks like.

```
.text, #text, p{  
    color:rgb(150, 130, 54)  
}
```

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(150, 130, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 130, 54) }
```

Border

The CSS property to change the border of an element to XYZ 21.2262, 22.7156, 6.7558 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(150, 130, 54) }
```


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

```
.border{ border-color:rgb(150, 130, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 130, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 130, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 130, 54);  
box-shadow:4px 4px 4px 4px rgb(150, 130,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2262, 22.7156, 6.7558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 130, 54) }
```

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

```
.background{ background-color: rgb(150,  
130, 54) }
```

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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