

Converting Colors

XYZ(20.5350, 23.9124, 7.9500)

Have a look what the booklet for
XYZ(20.5350, 23.9124, 7.9500)
contains.

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Color

**XYZ(20.5782, 24.0028,
7.9633)**

Conversions

Conversions Part 1

Format	Color
Hex	8B8A3D
RGB	139, 138, 61
RGB Percent	55%, 54%, 24%
CMY	0.4549, 0.4588, 0.7608
CMYK	0.00, 0.01, 0.56, 0.45
HSL	59°, 39%, 39%
HSV	59°, 56%, 55%
XYZ	20.5782, 24.0028, 7.9633
YIQ	129.5210, 25.3130, -23.7350

Conversions

Conversions Part 2

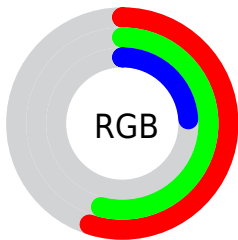
Format	Color
R_{YB}	62, 139, 61
Decimal	9144893
CIE _{Lab}	56.09, -10.50, 40.66
CIE _{LCh}	56, 41.990, 104.483
Yxy	24.0028, 0.3916, 0.4568
Android (android.graphics.Color)	4287334973 (0xFF8B8A3D)
YUV	129.5210, -33.7809, 8.3131
Hunter-Lab	48.9927, -10.7625, 24.6578

Details

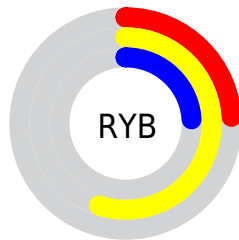
The XYZ color **20.5782, 24.0028, 7.9633** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.3073, 6.3013, 25.2044**, and the grayscale version is **21.1586, 22.2605, 24.2417**.

A 20% lighter version of the original color is **43.7482, 49.8786, 22.3607**, and **7.4695, 9.0254, 1.6068** is the 20% darker color. If you saturate the color by 10%, you get **20.2261, 23.8221, 6.2323**, and if you desaturate by 10%, it is **21.0285, 24.2246, 10.2066**.

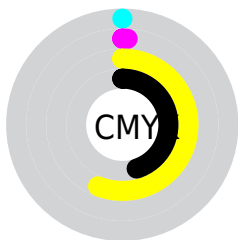
Distribution



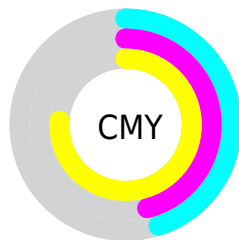
- Red (55%)
- Green (54%)
- Blue (24%)



- Red (24%)
- Yellow (55%)
- Blue (24%)



- Cyan (0%)
- Magenta (1%)
- Yellow (56%)
- Black (45%)



- Cyan (45%)
- Magenta (46%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5782, 24.0028, 7.9633 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 20.5782, 24.0028, 7.9633 by changing the saturation by 10% instead.

■ 20.5782, 24.0028,
7.9633

■ 20.5782, 24.0028,
7.9633

■ 247.8026,
272.8346, 185.3677

■ 12.9267, 15.3357,
3.9840

■ 43.8811, 50.0348,
22.4314

■ 7.4548, 9.0553,
1.6166

■ 60.2632, 68.1684,
33.7574

■ 3.7969, 4.7773,
0.3026

■ 80.2862, 90.2264,
48.3694

■ 1.5879, 2.1172,
0.0000

■ 104.3155,
116.5931, 66.6858

■ 0.3845, 0.6743,
0.0000

■ 132.7165,
147.6528, 89.1254

■ 0.0000, 0.0000,
0.0000

■ 165.8544,

183.7901, 116.1065

204.0947,
225.3892, 148.0478

■ 20.5782, 24.0028,
7.9633

■ 20.5782, 24.0028,
7.9633

■ 20.2261, 23.8221,
6.2323

■ 21.0285, 24.2246,
10.2066

■ 19.9629, 23.6762,
4.9716

■ 21.5823, 24.4869,
12.9966

■ 19.7803, 23.5626,
4.1352

■ 22.2462, 24.7934,
16.3668

■ 19.6645, 23.4758,
3.6500

■ 23.0261, 25.1463,
20.3473

■ 19.6251, 23.4443,
3.4908

■ 23.9273, 25.5479,
24.9663

■ 24.9548, 26.0000,
30.2502

■ 26.1133, 26.5045,
36.2237

■ 27.4072, 27.0634,
42.9107

■ 28.8410, 27.6782,
50.3335

Harmonies

Analogous

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



25.3786, 24.0028, 8.0194



20.5782, 24.0028, 7.9633



16.9277, 24.0028, 11.4263

Triad

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



20.5782, 24.0028, 7.9633



16.8312, 24.0028, 49.4345



32.9361, 24.0028, 33.8805

Complementary

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



20.5782, 24.0028, 7.9633



8.3073, 6.3013, 25.2044

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.



29.9274, 24.0028, 49.9531



20.5782, 24.0028, 7.9633



20.4281, 24.0028, 60.8658

Square

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



20.5782, 24.0028, 7.9633



14.9798, 24.0028, 33.3348



25.2060, 24.0028, 61.0834



32.9913, 24.0028, 20.0545

Rectangle

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



20.5782, 24.0028, 7.9633



15.4440, 24.0028, 16.3049



25.2060, 24.0028, 61.0834



32.2196, 24.0028, 39.2860

Sweetspot

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



20.5788, 24.0039, 7.9638



41.0489, 44.9490, 35.4814



13.1941, 9.1778, 5.6771



9.4005, 10.3312, 7.8787



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



20.5788, 24.0039, 7.9638



36.0975, 42.5949, 10.5590



15.4755, 21.5862, 7.7661



5.4257, 5.8342, 5.3925



17.7136, 21.1617, 3.1510



0.1185, 0.1422, 0.0212

Inverse Universe

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



8.3073, 6.3013, 25.2044



11.8784, 7.6601, 44.5955



11.4420, 7.8376, 25.3357



4.7794, 4.9018, 6.3001



4.2244, 1.7192, 22.1549



0.0286, 0.0126, 0.1474

Previews

White Background



This preview shows how the XYZ color 20.5782, 24.0028, 7.9633 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 20.5782, 24.0028, 7.9633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

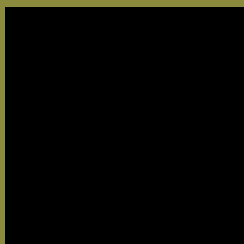
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.5782, 24.0028, 7.9633

Background



This preview shows how black text looks on a background with the XYZ color 20.5782, 24.0028, 7.9633.



This preview shows how white text looks on a background with the XYZ color 20.5782, 24.0028,

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

20.5782, 24.0028, 7.9633

Protanopia

21.8740, 24.0438, 7.7630

Deuteranopia

24.3705, 23.9155, 8.1822



Tritanopia

24.7489, 24.0618, 28.1509

Trichromacy



Original Color

20.5782, 24.0028, 7.9633

Protanomaly

21.2968, 23.9543, 7.7761

Deuteranomaly

22.8588, 23.9293, 8.1167

Tritanomaly

22.7584, 23.8520, 18.4433

Monochromacy



Original Color

20.5782, 24.0028, 7.9633

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.6102, 22.7815, 16.6756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5782, 24.0028, 7.9633 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(139, 138, 61)` looks like.

```
.text, #text, p{  
    color:rgb(139, 138, 61)  
}
```

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(139, 138, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 138, 61) }
```

Border

The CSS property to change the border of an element to XYZ 20.5782, 24.0028, 7.9633 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(139, 138, 61) }
```


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

```
.border{ border-color:rgb(139, 138, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 138, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 138, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 138, 61);  
box-shadow:4px 4px 4px 4px rgb(139, 138,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5782, 24.0028, 7.9633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 138, 61) }
```

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

```
.background{ background-color: rgb(139,  
138, 61) }
```

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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