

Converting Colors

XYZ(20.8680, 25.0348, 7.4737)

Have a look what the booklet for
XYZ(20.8680, 25.0348, 7.4737)
contains.

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Color

**XYZ(20.8680, 25.0348,
7.4737)**

Conversions

Conversions Part 1

Format	Color
Hex	8A8E38
RGB	138, 142, 56
RGB Percent	54%, 56%, 22%
CMY	0.4588, 0.4431, 0.7804
CMYK	0.03, 0.00, 0.61, 0.44
HSL	63°, 43%, 39%
HSV	63°, 61%, 56%
XYZ	20.8680, 25.0348, 7.4737
YIQ	131.0000, 25.2220, -27.5940

Conversions

Conversions Part 2

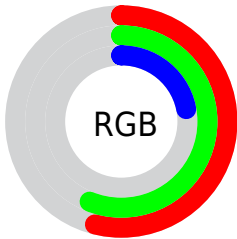
Format	Color
RYB	56, 142, 60
Decimal	9080376
CIELab	57.11, -13.49, 44.16
CIElCh	57, 46.177, 106.986
Yxy	25.0348, 0.3910, 0.4690
Android (android.graphics.Color)	4287270456 (0xFF8A8E38)
YUV	131.0000, -36.9750, 6.1390
Hunter-Lab	50.0348, -13.1139, 26.1682

Details

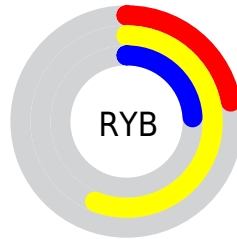
The XYZ color **20.8680, 25.0348, 7.4737** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.1610, 5.7426, 26.2710**, and the grayscale version is **21.6956, 22.8254, 24.8569**.

A 20% lighter version of the original color is **44.3861, 51.8788, 21.5841**, and **7.5735, 9.5856, 1.4510** is the 20% darker color. If you saturate the color by 10%, you get **20.4600, 24.8599, 5.8920**, and if you desaturate by 10%, it is **21.3764, 25.2517, 9.5754**.

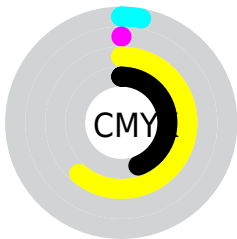
Distribution



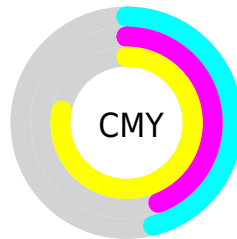
- Red (54%)
- Green (56%)
- Blue (22%)



- Red (22%)
- Yellow (56%)
- Blue (24%)



- Cyan (3%)
- Magenta (0%)
- Yellow (61%)
- Black (44%)



- Cyan (46%)
- Magenta (44%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8680, 25.0348, 7.4737 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 20.8680, 25.0348, 7.4737 by changing the saturation by 10% instead.

■ 20.8680, 25.0348,
7.4737

■ 20.8680, 25.0348,
7.4737

■ 249.3212,
278.0112, 181.3213

■ 13.1395, 16.1030,
3.6772

■ 44.3607, 51.7137,
21.4489

■ 7.6023, 9.5971,
1.4500

■ 60.8555, 70.2295,
32.4647

■ 3.8912, 5.1326,
0.1802

■ 81.0032, 92.7088,
46.7239

■ 1.6408, 2.3253,
0.0000

■ 105.1690,
119.5360, 64.6452

■ 0.4188, 0.7870,
0.0000

■ 133.7184,
151.0954, 86.6470

■ 0.0000, 0.0000,
0.0000

■ 167.0166,

187.7715, 113.1479

205.4291,
229.9486, 144.5665

■ 20.8680, 25.0348,
7.4737

■ 20.8680, 25.0348,
7.4737

■ 20.4600, 24.8599,
5.8920

■ 21.3764, 25.2517,
9.5754

■ 20.1421, 24.7202,
4.7837

■ 21.9910, 25.5103,
12.2355

■ 19.9047, 24.6128,
4.0961

■ 22.7192, 25.8144,
15.4905

■ 19.7284, 24.5306,
3.6951

■ 23.5673, 26.1666,
19.3735

■ 24.5412, 26.5691,
23.9151

■ 25.6462, 27.0242,
29.1438

■ 26.8875, 27.5339,
35.0865

■ 28.2699, 28.1000,
41.7687

■ 29.7979, 28.7246,
49.2147

Harmonies

Analogous

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



26.2290, 25.0348, 7.2492



20.8680, 25.0348, 7.4737



16.9367, 25.0348, 11.5041

Triad

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



20.8680, 25.0348, 7.4737



17.3486, 25.0348, 55.5540



35.5106, 25.0348, 34.5767

Complementary

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



20.8680, 25.0348, 7.4737



8.1610, 5.7426, 26.2710

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.



32.2919, 25.0348, 53.2275



20.8680, 25.0348, 7.4737



21.5161, 25.0348, 68.1037

Square

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



20.8680, 25.0348, 7.4737



15.1274, 25.0348, 36.9801



26.9833, 25.0348, 67.1192



35.2662, 25.0348, 19.4103

Rectangle

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



20.8680, 25.0348, 7.4737



15.4073, 25.0348, 17.1439



26.9833, 25.0348, 67.1192



34.7793, 25.0348, 40.7283

Sweetspot

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



20.8686, 25.0360, 7.4742



41.9130, 46.2874, 35.8131



13.4271, 9.1512, 4.8004



9.2672, 10.2994, 7.5629



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.



20.8686, 25.0360, 7.4742



35.8374, 43.7310, 9.5215



15.2257, 22.1269, 7.2101



5.8151, 6.2728, 5.7937



17.7164, 22.0258, 3.3176



0.1743, 0.2131, 0.0320

Inverse Universe

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



8.1610, 5.7426, 26.2710



11.3527, 6.5241, 45.7888



11.7618, 7.5989, 26.4396



5.1514, 5.2662, 6.7737



4.4625, 1.7941, 23.0882



0.0464, 0.0191, 0.2209

Previews

White Background



This preview shows how the XYZ color 20.8680, 25.0348, 7.4737 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 20.8680, 25.0348, 7.4737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

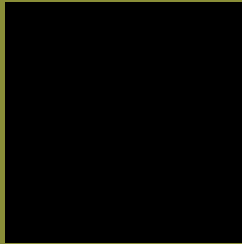
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.8680, 25.0348, 7.4737

Background



This preview shows how black text looks on a background with the XYZ color 20.8680, 25.0348, 7.4737.



This preview shows how white text looks on a background with the XYZ color 20.8680, 25.0348,

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

20.8680, 25.0348, 7.4737

Protanopia

22.7721, 24.9395, 7.2280

Deuteranopia

25.3496, 24.8271, 7.5937



Tritanopia

25.4542, 24.9917, 29.8679

Trichromacy



Original Color

20.8680, 25.0348, 7.4737

Protanomaly

22.1350, 25.0370, 7.2804

Deuteranomaly

23.3894, 24.6248, 7.5233

Tritanomaly

23.2304, 24.7075, 18.8739

Monochromacy



Original Color

20.8680, 25.0348, 7.4737

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.9942, 23.3958, 16.5060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8680, 25.0348, 7.4737 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(138, 142, 56)` looks like.

```
.text, #text, p{  
    color:rgb(138, 142, 56)  
}
```

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(138, 142, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 142, 56) }
```

Border

The CSS property to change the border of an element to XYZ 20.8680, 25.0348, 7.4737 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(138, 142, 56) }
```


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

```
.border{ border-color:rgb(138, 142, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 142, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 142, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 142, 56);  
box-shadow:4px 4px 4px 4px rgb(138, 142,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8680, 25.0348, 7.4737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 142, 56) }
```

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

```
.background{ background-color: rgb(138,  
142, 56) }
```

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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