

Converting Colors

XYZ(20.8225, 26.9993, 25.0235)

Have a look what the booklet for
XYZ(20.8225, 26.9993, 25.0235)
contains.

XYZ(20.7842, 26.9250, 24.8705)	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(20.7842, 26.9250,
24.8705)**

Conversions

Conversions Part 1

Format	Color
Hex	679881
RGB	103, 152, 129
RGB Percent	40%, 60%, 51%
CMY	0.5961, 0.4039, 0.4941
CMYK	0.32, 0.00, 0.15, 0.40
HSL	152°, 19%, 50%
HSV	152°, 32%, 60%
XYZ	20.7842, 26.9250, 24.8705
YIQ	134.7270, -21.8210, -17.5410

Conversions

Conversions Part 2

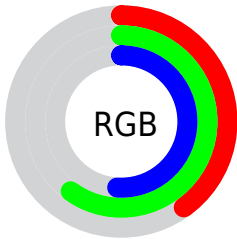
Format	Color
RYB	103, 135, 152
Decimal	6789249
CIELab	58.90, -21.63, 6.89
CIElCh	59, 22.704, 162.334
Yxy	26.9250, 0.2864, 0.3710
Android (android.graphics.Color)	4284979329 (0xFF679881)
YUV	134.7270, -2.8234, -27.8246
Hunter-Lab	51.8893, -19.3083, 7.9049

Details

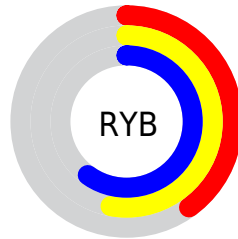
The XYZ color **20.7842, 26.9250, 24.8705** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.5659, 17.8829, 22.0548**, and the grayscale version is **22.9445, 24.1394, 26.2878**.

A 20% lighter version of the original color is **44.0324, 54.4886, 52.4526**, and **7.5698, 10.6434, 9.2448** is the 20% darker color. If you saturate the color by 10%, you get **18.7390, 25.9243, 22.3851**, and if you desaturate by 10%, it is **23.1810, 28.1046, 27.5464**.

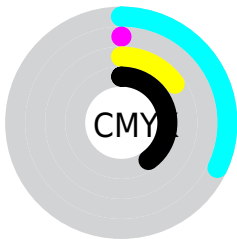
Distribution



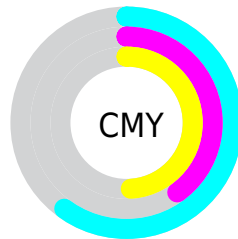
- Red (40%)
- Green (60%)
- Blue (51%)



- Red (40%)
- Yellow (53%)
- Blue (60%)



- Cyan (32%)
- Magenta (0%)
- Yellow (15%)
- Black (40%)



- Cyan (60%)
- Magenta (40%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7842, 26.9250, 24.8705 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 20.7842, 26.9250, 24.8705 by changing the saturation by 10% instead.

■ 20.7842, 26.9250,
24.8705

■ 20.7842, 26.9250,
24.8705

248.8829,
287.2938, 290.6194

■ 13.0779, 17.5169,
15.7625

■ 44.2221, 54.7635,
52.4086

■ 7.5596, 10.6037,
9.2037

■ 60.6844, 73.9627,
71.6757

■ 3.8639, 5.8010,
4.7757

■ 80.7961, 97.1944,
95.1662

■ 1.6254, 2.7245,
2.0598

■ 104.9226,
124.8429, 123.2987

■ 0.4089, 0.9896,
0.5917

133.4291,
157.2927, 156.4918

■ 0.0000, 0.0000,
0.0000

166.6811,

194.9282, 195.1639

205.0439,
238.1338, 239.7336

■ 20.7842, 26.9250,
24.8705

■ 20.7842, 26.9250,
24.8705

■ 18.7390, 25.9243,
22.3851

■ 23.1810, 28.1046,
27.5464

■ 17.0253, 25.0900,
20.0842

■ 25.9437, 29.4682,
30.4151

■ 15.6243, 24.4132,
17.9636

■ 29.0886, 31.0248,
33.4814

■ 14.5144, 23.8830,
16.0187

■ 32.6300, 32.7818,
36.7491

■ 13.6710, 23.4866,
14.2445

■ 36.5820, 34.7464,
40.2220

■ 13.0650, 23.2091,
12.6356

■ 40.9574, 36.9250,
43.9037

■ 12.7009, 23.0463,
11.4952

■ 45.7689, 39.3242,
47.7979

■ 51.0284, 41.9501,
51.9080

■ 56.7474, 44.8084,
56.2374

Harmonies

Analogous

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



22.1250, 26.9250, 19.3080



20.7842, 26.9250, 24.8705



20.6713, 26.9250, 32.7451

Triad

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



20.7842, 26.9250, 24.8705



26.7621, 26.9250, 47.1642



29.7934, 26.9250, 20.0882

Complementary

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



20.7842, 26.9250, 24.8705



21.5659, 17.8829, 22.0548

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.



31.2362, 26.9250, 26.1364



20.7842, 26.9250, 24.8705



29.4021, 26.9250, 42.2963

Square

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



20.7842, 26.9250, 24.8705



23.9878, 26.9250, 46.6550



31.0880, 26.9250, 34.2636



27.2650, 26.9250, 16.9142

Rectangle

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



20.7842, 26.9250, 24.8705



21.2954, 26.9250, 38.3885



31.0880, 26.9250, 34.2636



30.4295, 26.9250, 21.8002

Sweetspot

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



20.7849, 26.9261, 24.8711



46.8695, 52.5452, 54.7604



22.3826, 27.9247, 17.0427



10.4970, 11.8658, 12.2910



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.



20.7849, 26.9261, 24.8711



33.9139, 46.1671, 40.5672



22.3580, 27.3440, 33.8066



6.2622, 6.9776, 7.3043



10.6647, 19.3293, 9.7211



0.1778, 0.2963, 0.2421

Inverse Universe

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



21.5659, 17.8829, 22.0548



35.5224, 27.5521, 34.7738



20.3297, 17.5190, 15.1424



6.3234, 6.2685, 7.0833



11.8359, 5.9886, 5.6608



0.1951, 0.0968, 0.1803

Previews

White Background



This preview shows how the XYZ color 20.7842, 26.9250, 24.8705 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 20.7842, 26.9250, 24.8705 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 20.7842, 26.9250, 24.8705

Background



This preview shows how black text looks on a background with the XYZ color 20.7842, 26.9250, 24.8705.



This preview shows how white text looks on a background with the XYZ color 20.7842, 26.9250,

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

20.7842, 26.9250, 24.8705

Protanopia

25.3128, 26.7757, 22.5730

Deuteranopia

27.0696, 26.5434, 25.5265



Tritanopia

23.3655, 27.0329, 37.2441

Trichromacy



Original Color

20.7842, 26.9250, 24.8705

Protanomaly

23.3428, 26.6370, 23.3132

Deuteranomaly

24.2510, 26.3880, 25.2880

Tritanomaly

22.2357, 26.7906, 32.4329

Monochromacy



Original Color

20.7842, 26.9250, 24.8705

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.9269, 24.9542, 25.8513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7842, 26.9250, 24.8705 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(103, 152, 129)` looks like.

```
.text, #text, p{  
    color:rgb(103, 152, 129)  
}
```

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(103, 152, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 152, 129) }
```

Border

The CSS property to change the border of an element to XYZ 20.7842, 26.9250, 24.8705 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(103, 152, 129) }
```


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

```
.border{ border-color:rgb(103, 152, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 152, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 152, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 152, 129);  
box-shadow:4px 4px 4px 4px rgb(103, 152,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7842, 26.9250, 24.8705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 152, 129) }
```

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

```
.background{ background-color: rgb(103,  
152, 129) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor