

Converting Colors

XYZ(20.2926, 26.5450, 13.7874)

Have a look what the booklet for
XYZ(20.2926, 26.5450, 13.7874)
contains.

XYZ(20.2230, 26.4024, 13.7032)	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(20.2230, 26.4024,
13.7032)**

Conversions

Conversions Part 1

Format	Color
Hex	76965A
RGB	118, 150, 90
RGB Percent	46%, 59%, 35%
CMY	0.5373, 0.4118, 0.6471
CMYK	0.21, 0.00, 0.40, 0.41
HSL	92°, 25%, 47%
HSV	92°, 40%, 59%
XYZ	20.2230, 26.4024, 13.7032
YIQ	133.5920, 0.1880, -25.4440

Conversions

Conversions Part 2

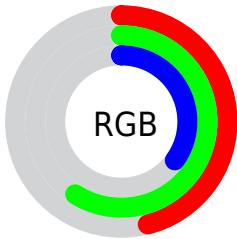
Format	Color
R_{YB}	90, 150, 122
Decimal	7771738
CIE _{Lab}	58.42, -22.27, 28.08
CIE _{LCh}	58, 35.836, 128.415
Yxy	26.4024, 0.3352, 0.4376
Android (android.graphics.Color)	4285961818 (0xFF76965A)
YUV	133.5920, -21.4909, -13.6742
Hunter-Lab	51.3833, -19.6682, 20.1565

Details

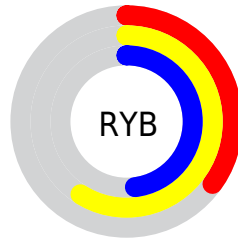
The XYZ color **20.2230, 26.4024, 13.7032** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.1884, 13.6527, 30.5849**, and the grayscale version is **22.5871, 23.7634, 25.8783**.

A 20% lighter version of the original color is **43.1952, 53.7667, 33.3007**, and **7.2818, 10.3270, 3.8950** is the 20% darker color. If you saturate the color by 10%, you get **18.6073, 25.6367, 10.6246**, and if you desaturate by 10%, it is **22.0611, 27.2694, 17.4660**.

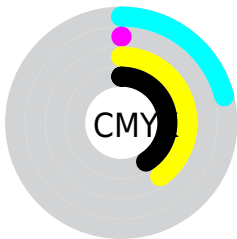
Distribution



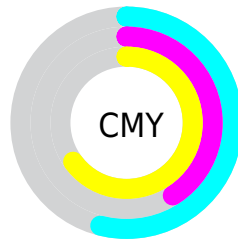
- Red (46%)
- Green (59%)
- Blue (35%)



- Red (35%)
- Yellow (59%)
- Blue (48%)



- Cyan (21%)
- Magenta (0%)
- Yellow (40%)
- Black (41%)



- Cyan (54%)
- Magenta (41%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2230, 26.4024, 13.7032 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 20.2230, 26.4024, 13.7032 by changing the saturation by 10% instead.

■ 20.2230, 26.4024,
13.7032

■ 20.2230, 26.4024,
13.7032

245.9304,
284.7519, 226.7404

■ 12.6665, 17.1249,
7.7781

■ 43.2918, 53.9234,
33.2710

■ 7.2747, 10.3236,
3.8676

■ 59.5348, 72.9357,
47.7508

■ 3.6823, 5.6140,
1.5530

■ 79.4040, 95.9618,
65.9192

■ 1.5240, 2.6118,
0.2569

■ 103.2648,
123.3860, 88.1949

■ 0.3421, 0.9326,
0.0000

131.4824,
155.5927, 114.9963

■ 0.0000, 0.0000,
0.0000

164.4224,

192.9663, 146.7420

202.4499,
235.8912, 183.8505

■ 20.2230, 26.4024,
13.7032

■ 20.2230, 26.4024,
13.7032

■ 18.6073, 25.6367,
10.6246

■ 22.0611, 27.2694,
17.4660

■ 17.2019, 24.9647,
8.1872

■ 24.1290, 28.2384,
21.9489

■ 15.9964, 24.3828,
6.3460


■ 26.4360, 29.3141,
27.1876


■ 14.9787, 23.8858,
5.0493


■ 28.9904, 30.5002,
33.2147


■ 14.1347, 23.4678,
4.2367


■ 31.8001, 31.8000,
40.0610

 13.4323, 23.1157,
3.7538

 34.8724, 33.2167,
47.7556

 38.2145, 34.7534,
56.3262

 41.8332, 36.4130,
65.7993

 45.7352, 38.1984,
76.2002

Harmonies

Analogous

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



23.8838, 26.4024, 10.8966



20.2230, 26.4024, 13.7032



18.0581, 26.4024, 20.7656

Triad

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



20.2230, 26.4024, 13.7032



22.1260, 26.4024, 57.4673



34.3683, 26.4024, 25.3647

Complementary

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



20.2230, 26.4024, 13.7032



17.1884, 13.6527, 30.5849

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.



33.7563, 26.4024, 38.5508



20.2230, 26.4024, 13.7032



26.3458, 26.4024, 59.7663

Square

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



20.2230, 26.4024, 13.7032



19.0646, 26.4024, 46.4626



30.6919, 26.4024, 52.0529



32.2785, 26.4024, 16.2278

Rectangle

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



20.2230, 26.4024, 13.7032



17.5911, 26.4024, 28.0866



30.6919, 26.4024, 52.0529



34.4761, 26.4024, 29.4191

Sweetspot

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



20.2237, 26.4036, 13.7038



45.7036, 51.2892, 45.7915



21.3837, 21.1423, 12.6271



10.0236, 11.3175, 9.9076



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.



20.2237, 26.4036, 13.7038



33.1190, 45.3756, 19.2673



17.0554, 24.7603, 14.0060



5.9715, 6.5931, 6.1983



11.1764, 19.1895, 3.1149



0.1703, 0.2521, 0.0397

Inverse Universe

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



17.1884, 13.6527, 30.5849



26.9972, 19.6713, 53.2953



21.5802, 15.9352, 29.9568



5.7771, 5.7761, 7.2801



7.3473, 3.2602, 24.1731



0.1240, 0.0575, 0.2975

Previews

White Background



This preview shows how the XYZ color 20.2230, 26.4024, 13.7032 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 20.2230, 26.4024, 13.7032 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 20.2230, 26.4024, 13.7032

Background



This preview shows how black text looks on a background with the XYZ color 20.2230, 26.4024, 13.7032.



This preview shows how white text looks on a background with the XYZ color 20.2230, 26.4024,

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

20.2230, 26.4024, 13.7032

Protanopia

24.1947, 26.2004, 12.5861

Deuteranopia

26.6939, 26.1832, 14.2366



Tritanopia

24.2581, 26.1911, 34.3487

Trichromacy



Original Color

20.2230, 26.4024, 13.7032

Protanomaly

22.5088, 26.2101, 12.8895

Deuteranomaly

23.9315, 26.0305, 14.1190

Tritanomaly

22.5343, 26.1746, 25.3372

Monochromacy



Original Color

20.2230, 26.4024, 13.7032

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.5502, 24.6534, 20.7623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2230, 26.4024, 13.7032 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(118, 150, 90)` looks like.

```
.text, #text, p{  
    color:rgb(118, 150, 90)  
}
```

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(118, 150, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 150, 90) }
```

Border

The CSS property to change the border of an element to XYZ 20.2230, 26.4024, 13.7032 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(118, 150, 90) }
```


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

```
.border{ border-color:rgb(118, 150, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 150, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 150, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 150, 90);  
box-shadow:4px 4px 4px 4px rgb(118, 150,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2230, 26.4024, 13.7032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 150, 90) }
```

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

```
.background{ background-color: rgb(118,  
150, 90) }
```

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