

Converting Colors

XYZ(20.5417, 28.2412, 22.2464)

Have a look what the booklet for
XYZ(20.5417, 28.2412, 22.2464)
contains.

XYZ(20.5468, 28.3512, 22.1587)	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(20.5468, 28.3512,
22.1587)**

Conversions

Conversions Part 1

Format	Color
Hex	619E78
RGB	97, 158, 120
RGB Percent	38%, 62%, 47%
CMY	0.6196, 0.3804, 0.5294
CMYK	0.39, 0.00, 0.24, 0.38
HSL	143°, 24%, 50%
HSV	143°, 39%, 62%
XYZ	20.5468, 28.3512, 22.1587
YIQ	135.4290, -24.1580, -24.7500

Conversions

Conversions Part 2

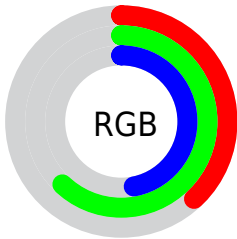
Format	Color
R_{YB}	97, 141, 158
Decimal	6397560
CIE _{Lab}	60.20, -28.39, 13.75
CIE _{LCh}	60, 31.541, 154.161
Yxy	28.3512, 0.2892, 0.3990
Android (android.graphics.Color)	4284587640 (0xFF619E78)
YUV	135.4290, -7.6065, -33.7022
Hunter-Lab	53.2458, -24.2997, 12.5981

Details

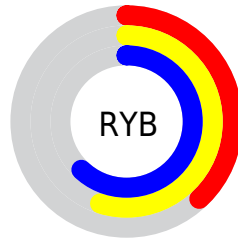
The XYZ color **20.5468, 28.3512, 22.1587** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.7494, 17.5684, 25.1148**, and the grayscale version is **23.2230, 24.4325, 26.6069**.

A 20% lighter version of the original color is **43.8183, 57.0511, 47.7322**, and **7.4181, 11.3438, 7.7598** is the 20% darker color. If you saturate the color by 10%, you get **18.4611, 27.3423, 19.1017**, and if you desaturate by 10%, it is **23.0308, 29.5599, 25.5562**.

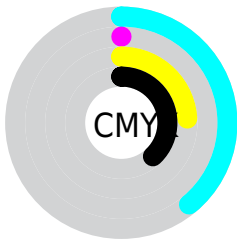
Distribution



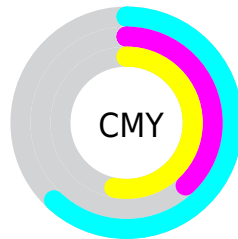
- Red (38%)
- Green (62%)
- Blue (47%)



- Red (38%)
- Yellow (55%)
- Blue (62%)



- Cyan (39%)
- Magenta (0%)
- Yellow (24%)
- Black (38%)



- Cyan (62%)
- Magenta (38%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5468, 28.3512, 22.1587 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 20.5468, 28.3512, 22.1587 by changing the saturation by 10% instead.

■ 20.5468, 28.3512,
22.1587

■ 20.5468, 28.3512,
22.1587

247.6376,
294.1413, 276.3544

■ 12.9037, 18.5906,
13.7741

■ 43.8290, 57.0447,
47.9137

■ 7.4388, 11.3748,
7.8268

■ 60.1989, 76.7463,
66.1212

■ 3.7868, 6.3195,
3.8981

■ 80.2084, 100.5304,
88.4401

■ 1.5822, 3.0403,
1.5696

■ 104.2228,
128.7813, 115.2889

■ 0.3808, 1.1528,
0.2690

132.6076,
161.8834, 147.0863

■ 0.0000, 0.0227,
0.0000

165.7281,

■ 0.0000, 0.0000,

200.2212, 184.2506

0.0000

203.9497,
244.1790, 227.2005

■ 20.5468, 28.3512,
22.1587

■ 20.5468, 28.3512,
22.1587

■ 18.4611, 27.3423,
19.1017

■ 23.0308, 29.5599,
25.5562

■ 16.7496, 26.5186,
16.3726

■ 25.9309, 30.9751,
29.3023

■ 15.3888, 25.8691,
13.9608

■ 29.2667, 32.6073,
33.4076

■ 14.3519, 25.3800,
11.8544

■ 33.0556, 34.4655,
37.8813

■ 13.6073, 25.0356,
10.0406

■ 37.3143, 36.5580,
42.7324

■ 13.0957, 24.8053,
8.5046

■ 42.0585, 38.8927,
47.9696

■ 13.0318, 24.7766,
8.3116

■ 47.3032, 41.4772,
53.6012

■ 53.0626, 44.3187,
59.6355

■ 59.3507, 47.4242,
66.0803

Harmonies

Analogous

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



22.8188, 28.3512, 15.8861



20.5468, 28.3512, 22.1587



19.9226, 28.3512, 32.5112

Triad

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



20.5468, 28.3512, 22.1587



27.5142, 28.3512, 58.7751



33.8941, 28.3512, 19.9932

Complementary

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



20.5468, 28.3512, 22.1587



22.7494, 17.5684, 25.1148

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.



35.4543, 28.3512, 29.2843



20.5468, 28.3512, 22.1587



31.5452, 28.3512, 53.1614

Square

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



20.5468, 28.3512, 22.1587



23.7033, 28.3512, 55.5132



34.5547, 28.3512, 41.6081



30.4738, 28.3512, 14.8724

Rectangle

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



20.5468, 28.3512, 22.1587



20.4668, 28.3512, 40.8927



34.5547, 28.3512, 41.6081



34.6682, 28.3512, 22.6348

Sweetspot

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



20.5476, 28.3524, 22.1593



50.8557, 58.0907, 57.8856



24.4794, 30.5217, 15.9106



11.2991, 13.0151, 12.8463



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.5476, 28.3524, 22.1593



34.1221, 49.9403, 35.5934



22.6518, 29.1941, 33.2403



6.6490, 7.4404, 7.5864



10.4546, 19.8498, 6.7509



0.2067, 0.3628, 0.2248

Inverse Universe

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



22.7494, 17.5684, 25.1148



38.6744, 27.6169, 41.6837



20.9327, 16.8417, 15.5485



6.7980, 6.7121, 7.7874



13.0945, 6.5424, 10.0147



0.2541, 0.1250, 0.2844

Previews

White Background



This preview shows how the XYZ color 20.5468, 28.3512, 22.1587 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 20.5468, 28.3512, 22.1587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

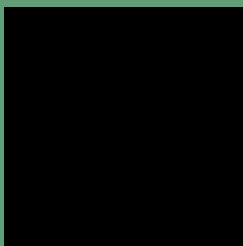
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.5468, 28.3512, 22.1587

Background



This preview shows how black text looks on a background with the XYZ color 20.5468, 28.3512, 22.1587.



This preview shows how white text looks on a background with the XYZ color 20.5468, 28.3512,

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

20.5468, 28.3512, 22.1587

Protanopia

26.2803, 28.0088, 19.6439

Deuteranopia

28.5966, 28.0275, 22.9714



Tritanopia

23.9925, 28.2626, 39.3126

Trichromacy



Original Color

20.5468, 28.3512, 22.1587

Protanomaly

23.5727, 27.7424, 20.6354

Deuteranomaly

24.8385, 27.6505, 22.7668

Tritanomaly

22.4944, 28.1329, 32.2616

Monochromacy



Original Color

20.5468, 28.3512, 22.1587

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.7369, 25.3216, 24.8610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5468, 28.3512, 22.1587 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(97, 158, 120)` looks like.

```
.text, #text, p{  
    color:rgb(97, 158, 120)  
}
```

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(97, 158, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 158, 120) }
```

Border

The CSS property to change the border of an element to XYZ 20.5468, 28.3512, 22.1587 is called "border". The border property can be set on classes, ids or directly on the HTML element.

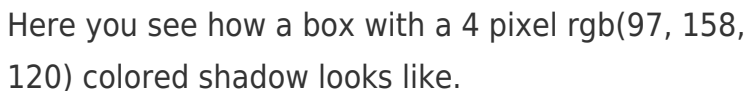
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(97, 158, 120) }
```


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

```
.border{ border-color:rgb(97, 158, 120) }
```

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



Here you see how a box with a 4 pixel `rgb(97, 158, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(97, 158, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(97, 158, 120); box-shadow:4px 4px 4px 4px rgb(97, 158, 120) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5468, 28.3512, 22.1587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 158, 120) }
```

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

```
.background{ background-color: rgb(97, 158,  
120) }
```

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