

Converting Colors

XYZ(20.6990, 21.8966, 3.1355)

Have a look what the booklet for
XYZ(20.6990, 21.8966, 3.1355)
contains.

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Color

**XYZ(20.7262, 21.9510,
3.1446)**

Conversions

Conversions Part 1

Format	Color
Hex	997F00
RGB	153, 127, 0
RGB Percent	60%, 50%, 0%
CMY	0.4000, 0.5019, 1.0000
CMYK	0.00, 0.17, 1.00, 0.40
HSL	50°, 100%, 30%
HSV	50°, 100%, 60%
XYZ	20.7262, 21.9510, 3.1446
YIQ	120.2960, 56.2630, -33.9850

Conversions

Conversions Part 2

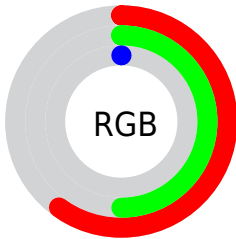
Format	Color
R _Y B	31, 153, 0
Decimal	10059520
CIE Lab	53.97, -0.66, 59.28
CIE LCh	54, 59.288, 90.642
Yxy	21.9510, 0.4523, 0.4791
Android (android.graphics.Color)	4288249600 (0xFF997F00)
YUV	120.2960, -59.3059, 28.6814
Hunter-Lab	46.8519, -3.0265, 28.8169

Details

The XYZ color **20.7262, 21.9510, 3.1446** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **6.1193, 3.0389, 30.4007**, and the grayscale version is **18.1199, 19.0636, 20.7602**.

A 20% lighter version of the original color is **43.9972, 46.4943, 11.9656**, and **7.7614, 8.0454, 1.1439** is the 20% darker color. If you saturate the color by 10%, you get **20.7264, 21.9516, 3.1447**, and if you desaturate by 10%, it is **21.1552, 22.6677, 3.7239**.

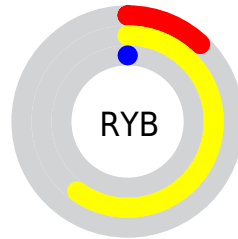
Distribution



Red (60%)

Green (50%)

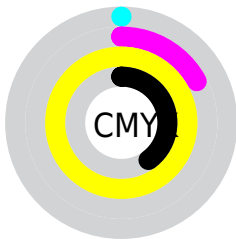
Blue (0%)



Red (12%)

Yellow (60%)

Blue (0%)

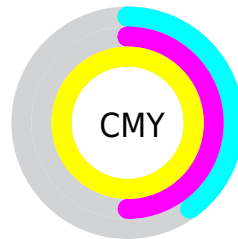


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (40%)



Cyan (40%)

Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7262, 21.9510, 3.1446 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 20.7262, 21.9510, 3.1446 by changing the saturation by 10% instead.

■ 20.7262, 21.9510,
3.1446

■ 20.7262, 21.9510,
3.1446

248.5791,
262.2903, 138.1815

■ 13.0353, 13.8209,
1.1689

■ 44.1261, 46.6650,
11.9832

■ 7.5300, 7.9962,
0.0000

■ 60.5659, 64.0177,
19.6832

■ 3.8450, 4.0925,
0.0000

■ 80.6527, 85.2134,
30.1285

■ 1.6148, 1.7255,
0.0000

■ 104.7518,
110.6364, 43.7374

■ 0.4020, 0.4401,
0.0000


■ 133.2287,
140.6712, 60.9287


■ 0.0000, 0.0000,
0.0000


■ 166.4486,


175.7022, 82.1208


 204.7770,
216.1138, 107.7322


 20.7262, 21.9510,
3.1446


 20.7262, 21.9510,
3.1446


 20.7264, 21.9516,
3.1447

 21.1552, 22.6677,
3.7239

 21.6578, 23.4269,
4.6498

 22.2646, 24.2418,
6.0811

 22.9877, 25.1175,
8.0811

 23.8375, 26.0581,
10.7040

■ 24.8230, 27.0673,
13.9977

■ 25.9526, 28.1486,
18.0054

■ 27.2338, 29.3051,
22.7666

■ 28.6736, 30.5398,
28.3179

Harmonies

Analogous

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



27.4957, 21.9510, 4.4657



20.7262, 21.9510, 3.1446



15.2003, 21.9510, 4.5960

Triad

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



20.7262, 21.9510, 3.1446



11.9675, 21.9510, 46.7335



33.5293, 21.9510, 45.6723

Complementary

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



20.7262, 21.9510, 3.1446



6.1193, 3.0389, 30.4007

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.



27.7838, 21.9510, 68.8414



20.7262, 21.9510, 3.1446



15.3944, 21.9510, 69.6438

Square

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



20.7262, 21.9510, 3.1446



10.8208, 21.9510, 24.2979



21.0019, 21.9510, 79.2847



35.7431, 21.9510, 23.5082

Rectangle

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



20.7262, 21.9510, 3.1446



12.7233, 21.9510, 7.7957



21.0019, 21.9510, 79.2847



31.8959, 21.9510, 53.9337

Sweetspot

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



20.7267, 21.9521, 3.1450



46.3500, 50.2918, 31.7787



13.3471, 6.8566, 1.7222



10.0569, 10.9375, 6.3792



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.



20.7267, 21.9521, 3.1450



37.0006, 39.0763, 5.5923



17.1644, 25.7585, 4.0675



6.6196, 7.0442, 6.6166



17.1513, 18.1849, 2.6061



0.2773, 0.3136, 0.0459

Inverse Universe

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



6.1193, 3.0389, 30.4007



10.8634, 5.2513, 54.4130



6.9904, 2.9396, 30.3356



5.9651, 6.1876, 7.8089



5.0752, 2.5471, 25.1319



0.0946, 0.0754, 0.3819

Previews

White Background



This preview shows how the XYZ color 20.7262, 21.9510, 3.1446 looks on a white background.

Color Contrast Check

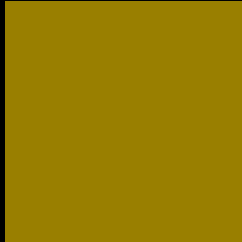
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7262, 21.9510, 3.1446 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 20.7262, 21.9510, 3.1446

Background



This preview shows how black text looks on a background with the XYZ color 20.7262, 21.9510, 3.1446.



This preview shows how white text looks on a background with the XYZ color 20.7262, 21.9510,

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

20.7262, 21.9510, 3.1446

Protanopia

19.8696, 22.0894, 3.3887

Deuteranopia

22.2599, 21.9815, 3.4504



Tritanopia

24.8064, 21.9628, 23.0105

Trichromacy



Original Color

20.7262, 21.9510, 3.1446

Protanomaly

20.2666, 22.0988, 3.3122

Deuteranomaly

21.5496, 21.8038, 3.3025

Tritanomaly

22.2272, 21.4369, 10.7508

Monochromacy



Original Color

20.7262, 21.9510, 3.1446

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.9032, 19.5933, 9.6758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7262, 21.9510, 3.1446 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(153, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 127, 0)  
}
```

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(153, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 127, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.7262, 21.9510, 3.1446 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(153, 127, 0) }
```


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

```
.border{ border-color:rgb(153, 127, 0) }
```

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

Here you see how a box with a 4 pixel rgb(153, 127, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 127,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7262, 21.9510, 3.1446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 127, 0) }
```

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

```
.background{ background-color: rgb(153,  
127, 0) }
```

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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