

Converting Colors

XYZ(20.6561, 22.8310, 6.2251)

Have a look what the booklet for
XYZ(20.6561, 22.8310, 6.2251)
contains.

XYZ(20.6597, 22.8353, 6.2245)	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(20.6597, 22.8353,
6.2245)**

Conversions

Conversions Part 1

Format	Color
Hex	928431
RGB	146, 132, 49
RGB Percent	57%, 52%, 19%
CMY	0.4275, 0.4823, 0.8078
CMYK	0.00, 0.10, 0.66, 0.43
HSL	51°, 50%, 38%
HSV	51°, 66%, 57%
XYZ	20.6597, 22.8353, 6.2245
YIQ	126.7240, 34.9870, -22.8450

Conversions

Conversions Part 2

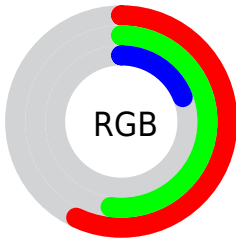
Format	Color
R_{YB}	65, 146, 49
Decimal	9602097
CIE Lab	54.90, -4.98, 45.20
CIE LCh	55, 45.474, 96.292
Yxy	22.8353, 0.4155, 0.4593
Android (android.graphics.Color)	4287792177 (0xFF928431)
YUV	126.7240, -38.3179, 16.9051
Hunter-Lab	47.7863, -6.4542, 25.7275

Details

The XYZ color **20.6597, 22.8353, 6.2245** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.2324, 6.2831, 27.9728**, and the grayscale version is **20.1975, 21.2493, 23.1405**.

A 20% lighter version of the original color is **43.9582, 48.1553, 18.7824**, and **7.5069, 8.4618, 1.2376** is the 20% darker color. If you saturate the color by 10%, you get **20.1176, 22.1668, 4.7623**, and if you desaturate by 10%, it is **21.3085, 23.5574, 8.2153**.

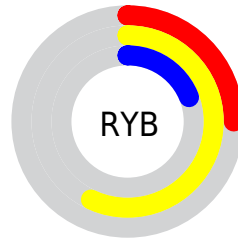
Distribution



Red (57%)

Green (52%)

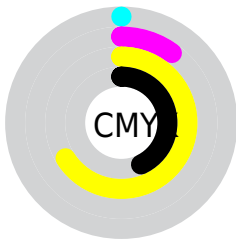
Blue (19%)



Red (25%)

Yellow (57%)

Blue (19%)

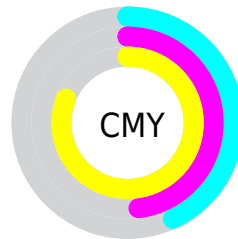


Cyan (0%)

Magenta (10%)

Yellow (66%)

Black (43%)



Cyan (43%)

Magenta (48%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6597, 22.8353, 6.2245 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 20.6597, 22.8353, 6.2245 by changing the saturation by 10% instead.

■ 20.6597, 22.8353,
6.2245

■ 20.6597, 22.8353,
6.2245

248.2305,
266.8779, 170.4334

■ 12.9865, 14.4719,
2.9111

■ 44.0160, 48.1227,
18.8808

■ 7.4962, 8.4496,
1.0494

■ 60.4299, 65.8156,
29.0607

■ 3.8234, 4.3840,
0.0000

■ 80.4881, 87.3871,
42.3665

■ 1.6027, 1.8906,
0.0000

■ 104.5559,
113.2217, 59.2168

■ 0.3942, 0.5427,
0.0000

■ 132.9987,
143.7036, 80.0301

■ 0.0000, 0.0000,
0.0000

■ 166.1818,

179.2174, 105.2250

204.4706,
220.1474, 135.2199

■ 20.6597, 22.8353,
6.2245

■ 20.6597, 22.8353,
6.2245

■ 20.1176, 22.1668,
4.7623

■ 21.3085, 23.5574,
8.2153

■ 19.6704, 21.5446,
3.7744

■ 22.0712, 24.3335,
10.7794

■ 19.3030, 20.9635,
3.1784

■ 22.9560, 25.1678,
13.9581

■ 19.1792, 20.7614,
2.9965

■ 23.9701, 26.0632,
17.7885

■ 25.1201, 27.0223,
22.3050

■ 26.4119, 28.0477,
27.5393

■ 27.8512, 29.1417,
33.5213

■ 29.4436, 30.3064,
40.2792

■ 31.1939, 31.5441,
47.8396

Harmonies

Analogous

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



25.8375, 22.8353, 7.1289



20.6597, 22.8353, 6.2245



16.4599, 22.8353, 8.5345

Triad

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



20.6597, 22.8353, 6.2245



14.7943, 22.8353, 45.1689



31.8386, 22.8353, 37.7722

Complementary

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



20.6597, 22.8353, 6.2245



8.2324, 6.2831, 27.9728

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.



27.9588, 22.8353, 54.6042



20.6597, 22.8353, 6.2245



18.0371, 22.8353, 59.9048

Square

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



20.6597, 22.8353, 6.2245



13.4282, 22.8353, 28.0303



22.7835, 22.8353, 63.8986



32.8290, 22.8353, 21.9452

Rectangle

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



20.6597, 22.8353, 6.2245



14.6011, 22.8353, 12.4252



22.7835, 22.8353, 63.8986



30.8027, 22.8353, 43.6602

Sweetspot

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



20.6602, 22.8364, 6.2250



43.4806, 46.9857, 36.0386



13.8651, 8.6729, 5.7272



9.5604, 10.3586, 7.5763



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.6602, 22.8364, 6.2250



35.0614, 38.5264, 7.4002



17.5218, 24.2274, 6.6589



6.1949, 6.6035, 6.1886



16.8903, 18.2950, 2.6411



0.2224, 0.2553, 0.0376

Inverse Universe

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



8.2324, 6.2831, 27.9728



11.5334, 7.2501, 48.7651



9.8497, 6.1089, 27.8539



5.5630, 5.7600, 7.2883



4.8136, 2.3220, 24.1255



0.0719, 0.0543, 0.2996

Previews

White Background



This preview shows how the XYZ color 20.6597, 22.8353, 6.2245 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 20.6597, 22.8353, 6.2245 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 20.6597, 22.8353, 6.2245

Background



This preview shows how black text looks on a background with the XYZ color 20.6597, 22.8353, 6.2245.



This preview shows how white text looks on a background with the XYZ color 20.6597, 22.8353,

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

20.6597, 22.8353, 6.2245

Protanopia

20.8383, 22.9273, 6.2329

Deuteranopia

23.2410, 22.7988, 6.3076



Tritanopia

24.5782, 22.8811, 25.3114

Trichromacy



Original Color

20.6597, 22.8353, 6.2245

Protanomaly

20.8383, 22.9273, 6.2329

Deuteranomaly

22.1995, 22.8367, 6.2555

Tritanomaly

22.5653, 22.6221, 15.7476

Monochromacy



Original Color

20.6597, 22.8353, 6.2245

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.9339, 21.6697, 14.9364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6597, 22.8353, 6.2245 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(146, 132, 49)` looks like.

```
.text, #text, p{  
    color:rgb(146, 132, 49)  
}
```

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(146, 132, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 132, 49) }
```

Border

The CSS property to change the border of an element to XYZ 20.6597, 22.8353, 6.2245 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(146, 132, 49) }
```


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

```
.border{ border-color:rgb(146, 132, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 132, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 132, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 132, 49);  
box-shadow:4px 4px 4px 4px rgb(146, 132,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6597, 22.8353, 6.2245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 132, 49) }
```

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

```
.background{ background-color: rgb(146,  
132, 49) }
```

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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