

Converting Colors

XYZ(20.5359, 23.8751, 7.2736)

Have a look what the booklet for
XYZ(20.5359, 23.8751, 7.2736)
contains.

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Color

**XYZ(20.4747, 23.7523,
7.2469)**

Conversions

Conversions Part 1

Format	Color
Hex	8C8938
RGB	140, 137, 56
RGB Percent	55%, 54%, 22%
CMY	0.4510, 0.4627, 0.7804
CMYK	0.00, 0.02, 0.60, 0.45
HSL	58°, 43%, 38%
HSV	58°, 60%, 55%
XYZ	20.4747, 23.7523, 7.2469
YIQ	128.6630, 27.7890, -24.5550

Conversions

Conversions Part 2

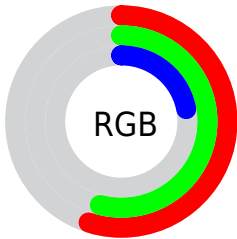
Format	Color
RYB	59, 140, 56
Decimal	9210168
CIELab	55.84, -9.92, 42.81
CIELCh	56, 43.943, 103.048
Yxy	23.7523, 0.3978, 0.4614
Android (android.graphics.Color)	4287400248 (0xFF8C8938)
YUV	128.6630, -35.8229, 9.9425
Hunter-Lab	48.7363, -10.2987, 25.2992

Details

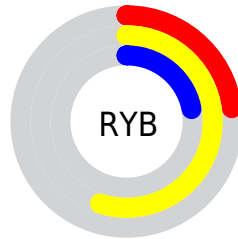
The XYZ color **20.4747, 23.7523, 7.2469** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.9285, 5.8620, 25.5245**, and the grayscale version is **20.8633, 21.9499, 23.9034**.

A 20% lighter version of the original color is **43.7799, 49.6033, 20.9026**, and **7.3442, 8.8448, 1.3489** is the 20% darker color. If you saturate the color by 10%, you get **20.1085, 23.4934, 5.6656**, and if you desaturate by 10%, it is **20.9381, 24.0524, 9.3338**.

Distribution



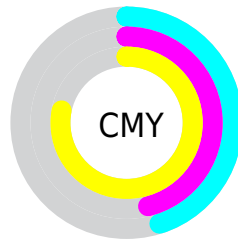
- Red (55%)
- Green (54%)
- Blue (22%)



- Red (23%)
- Yellow (55%)
- Blue (22%)



- Cyan (0%)
- Magenta (2%)
- Yellow (60%)
- Black (45%)



- Cyan (45%)
- Magenta (46%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4747, 23.7523, 7.2469 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 20.4747, 23.7523, 7.2469 by changing the saturation by 10% instead.

■ 20.4747, 23.7523,
7.2469

■ 20.4747, 23.7523,
7.2469

247.2584,
271.5658, 179.4078

■ 12.8508, 15.1500,
3.5362

■ 43.7095, 49.6257,
20.9895

■ 7.4022, 8.9247,
1.3745

■ 60.0512, 67.6655,
31.8585

■ 3.7634, 4.6921,
0.1217

■ 80.0295, 89.6200,
45.9506

■ 1.5692, 2.0678,
0.0000

■ 104.0099,
115.8735, 63.6844

■ 0.3722, 0.6464,
0.0000

■ 132.3576,
146.8105, 85.4786

■ 0.0000, 0.0000,
0.0000

■ 165.4380,

182.8152, 111.7515

203.6165,
224.2722, 142.9217

■ 20.4747, 23.7523,
7.2469

■ 20.4747, 23.7523,
7.2469

■ 20.1085, 23.4934,
5.6656

■ 20.9381, 24.0524,
9.3338

■ 19.8297, 23.2691,
4.5450

■ 21.5043, 24.3932,
11.9629

■ 19.6292, 23.0766,
3.8352

■ 22.1805, 24.7786,
15.1696

■ 19.4801, 22.9052,
3.3945

■ 22.9727, 25.2109,
18.9853

■ 19.4801, 22.9052,
3.3944

■ 23.8865, 25.6924,
23.4396

■ 24.9270, 26.2251,
28.5600

■ 26.0993, 26.8110,
34.3723

■ 27.4079, 27.4520,
40.9011

■ 28.8574, 28.1498,
48.1697

Harmonies

Analogous

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



25.4958, 23.7523, 7.4567



20.4747, 23.7523, 7.2469



16.6300, 23.7523, 10.5111

Triad

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



20.4747, 23.7523, 7.2469



16.2552, 23.7523, 49.5698



33.0741, 23.7523, 34.7470

Complementary

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



20.4747, 23.7523, 7.2469



7.9285, 5.8620, 25.5245

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.



29.7928, 23.7523, 51.6441



20.4747, 23.7523, 7.2469



19.8878, 23.7523, 62.1389

Square

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



20.4747, 23.7523, 7.2469



14.4474, 23.7523, 32.5878



24.8160, 23.7523, 63.0137



33.2932, 23.7523, 20.1322

Rectangle

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



20.4747, 23.7523, 7.2469



15.0465, 23.7523, 15.2847



24.8160, 23.7523, 63.0137



32.2728, 23.7523, 40.4521

Sweetspot

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



20.4753, 23.7534, 7.2474



40.7482, 44.5797, 34.6658



13.0504, 8.7324, 5.3007



9.2984, 10.2236, 7.5466



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



20.4753, 23.7534, 7.2474



35.2626, 41.2742, 9.2049



15.5942, 21.8782, 7.1427



5.4160, 5.8149, 5.3893



17.3121, 20.3587, 3.0172



0.1172, 0.1397, 0.0208

Inverse Universe

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



7.9285, 5.8620, 25.5245



11.0780, 6.7992, 44.4715



10.7436, 7.0912, 25.6133



4.7880, 4.9190, 6.3029



4.2574, 1.7851, 22.1659



0.0299, 0.0151, 0.1478

Previews

White Background



This preview shows how the XYZ color 20.4747, 23.7523, 7.2469 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 20.4747, 23.7523, 7.2469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

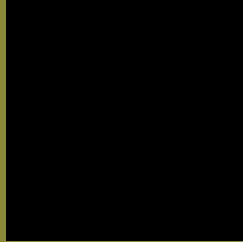
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4747, 23.7523, 7.2469

Background



This preview shows how black text looks on a background with the XYZ color 20.4747, 23.7523, 7.2469.



This preview shows how white text looks on a background with the XYZ color 20.4747, 23.7523,

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

20.4747, 23.7523, 7.2469

Protanopia

21.6091, 23.7156, 7.0531

Deuteranopia

24.1047, 23.6015, 7.4228



Tritanopia

24.7232, 23.8605, 27.7286

Trichromacy



Original Color

20.4747, 23.7523, 7.2469

Protanomaly

21.2076, 23.7148, 7.0741

Deuteranomaly

22.7846, 23.7062, 7.3779

Tritanomaly

22.6886, 23.6264, 17.8325

Monochromacy



Original Color

20.4747, 23.7523, 7.2469

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.3224, 22.4484, 15.8322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4747, 23.7523, 7.2469 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(140, 137, 56)` looks like.

```
.text, #text, p{  
    color:rgb(140, 137, 56)  
}
```

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(140, 137, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 137, 56) }
```

Border

The CSS property to change the border of an element to XYZ 20.4747, 23.7523, 7.2469 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(140, 137, 56) }
```


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

```
.border{ border-color:rgb(140, 137, 56) }
```

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

Here you see how a box with a 4 pixel rgb(140, 137, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 137, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 137, 56);  
box-shadow:4px 4px 4px 4px rgb(140, 137,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4747, 23.7523, 7.2469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 137, 56) }
```

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

```
.background{ background-color: rgb(140,  
137, 56) }
```

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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