

Converting Colors

XYZ(20.4713, 23.1866, 13.7524)

Have a look what the booklet for
XYZ(20.4713, 23.1866, 13.7524)
contains.

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Color

**XYZ(20.4713, 23.1866,
13.7524)**

Conversions

Conversions Part 1

Format	Color
Hex	86875D
RGB	134, 135, 93
RGB Percent	53%, 53%, 36%
CMY	0.4745, 0.4706, 0.6353
CMYK	0.01, 0.00, 0.31, 0.47
HSL	61°, 18%, 45%
HSV	61°, 31%, 53%
XYZ	20.4713, 23.1866, 13.7524
YIQ	129.9130, 12.8860, -13.2740

Conversions

Conversions Part 2

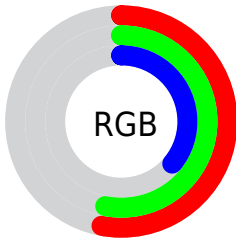
Format	Color
RYB	93, 135, 94
Decimal	8816477
CIELab	55.26, -7.46, 22.52
CIElCh	55, 23.726, 108.325
Yxy	23.1866, 0.3566, 0.4039
Android (android.graphics.Color)	4287006557 (0xFF86875D)
YUV	129.9130, -18.1981, 3.5843
Hunter-Lab	48.1525, -8.3802, 16.7734

Details

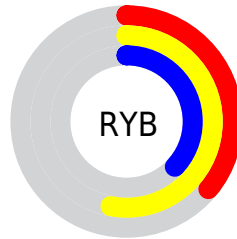
The XYZ color **20.4713, 23.1866, 13.7524** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.9044, 11.9582, 24.5510**, and the grayscale version is **21.2469, 22.3534, 24.3429**.

A 20% lighter version of the original color is **43.7563, 48.6714, 33.4739**, and **7.3978, 8.5791, 3.8508** is the 20% darker color. If you saturate the color by 10%, you get **19.8743, 22.9427, 10.8740**, and if you desaturate by 10%, it is **21.1752, 23.4749, 17.1879**.

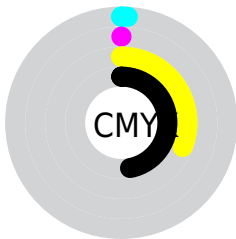
Distribution



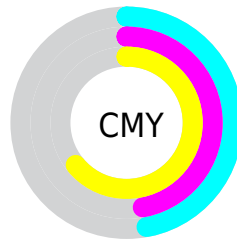
- Red (53%)
- Green (53%)
- Blue (36%)



- Red (36%)
- Yellow (53%)
- Blue (37%)



- Cyan (1%)
- Magenta (0%)
- Yellow (31%)
- Black (47%)



- Cyan (47%)
- Magenta (47%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4713, 23.1866, 13.7524 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 20.4713, 23.1866, 13.7524 by changing the saturation by 10% instead.

■ 20.4713, 23.1866,
13.7524

■ 20.4713, 23.1866,
13.7524

247.2405,
268.6820, 227.0596

■ 12.8483, 14.7314,
7.8119

■ 43.7039, 48.6995,
33.3598

■ 7.4005, 8.6311,
3.8888

■ 60.0442, 66.5260,
47.8638

■ 3.7623, 4.5013,
1.5645

■ 80.0211, 88.2450,
66.0594

■ 1.5686, 1.9578,
0.2653

■ 103.9998,
114.2410, 88.3650

■ 0.3718, 0.5828,
0.0000

132.3458,
144.8983, 115.1994

■ 0.0000, 0.0000,
0.0000

165.4243,

180.6013, 146.9809

203.6007,
221.7344, 184.1281

■ 20.4713, 23.1866,
13.7524

■ 20.4713, 23.1866,
13.7524

■ 19.8743, 22.9427,
10.8740

■ 21.1752, 23.4749,
17.1879

■ 19.3769, 22.7378,
8.5219

■ 21.9894, 23.8066,
21.2061

■ 18.9737, 22.5706,
6.6647

■ 22.9194, 24.1845,
25.8328

■ 18.6579, 22.4384,
5.2671

■ 23.9696, 24.6106,
31.0918

■ 18.4219, 22.3382,
4.2890

■ 25.1443, 25.0865,
37.0058

■ 18.2568, 22.2663,
3.6834

■ 26.4476, 25.6139,
43.5962

■ 18.1457, 22.2167,
3.3319

■ 27.8834, 26.1942,
50.8833

■ 29.4554, 26.8291,
58.8869

■ 31.1671, 27.5199,
67.6258

Harmonies

Analogous

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



23.0878, 23.1866, 13.4616



20.4713, 23.1866, 13.7524



18.4397, 23.1866, 16.7172

Triad

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



20.4713, 23.1866, 13.7524



18.8142, 23.1866, 37.8213



27.4269, 23.1866, 28.3229

Complementary

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



20.4713, 23.1866, 13.7524



12.9044, 11.9582, 24.5510

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.



26.0767, 23.1866, 36.2723



20.4713, 23.1866, 13.7524



21.0209, 23.1866, 42.4476

Square

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



20.4713, 23.1866, 13.7524



17.5373, 23.1866, 30.1292



23.6830, 23.1866, 41.8298



27.2499, 23.1866, 20.9216

Rectangle

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



20.4713, 23.1866, 13.7524



17.6251, 23.1866, 20.2208



23.6830, 23.1866, 41.8298



27.1325, 23.1866, 31.0422

Sweetspot

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



20.4719, 23.1876, 13.7529



39.6785, 42.7534, 39.4712



15.9443, 13.8939, 12.1976



9.1416, 9.8819, 8.9055



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



20.4719, 23.1876, 13.7529



35.9202, 41.2195, 21.0582



17.4893, 21.6501, 13.6133



5.0290, 5.4175, 5.0100



16.7333, 20.4863, 3.0723



0.0588, 0.0714, 0.0107

Inverse Universe

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



12.9044, 11.9582, 24.5510



20.2330, 17.9397, 43.4447



15.3190, 13.2030, 24.6640



4.4440, 4.5495, 5.8447



4.0715, 1.6331, 21.2373



0.0147, 0.0060, 0.0736

Previews

White Background



This preview shows how the XYZ color 20.4713, 23.1866, 13.7524 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 20.4713, 23.1866, 13.7524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

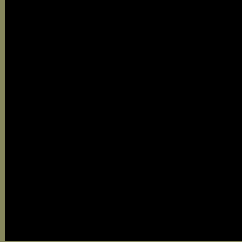
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4713, 23.1866, 13.7524

Background



This preview shows how black text looks on a background with the XYZ color 20.4713, 23.1866, 13.7524.



This preview shows how white text looks on a background with the XYZ color 20.4713, 23.1866,

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

20.4713, 23.1866, 13.7524

Protanopia

21.5107, 23.1149, 13.4531

Deuteranopia

23.5596, 23.1731, 14.0576



Tritanopia

23.3257, 23.1400, 27.6632

Trichromacy



Original Color

20.4713, 23.1866, 13.7524

Protanomaly

21.1345, 23.1232, 13.4745

Deuteranomaly

22.3974, 23.1630, 13.8801

Tritanomaly

22.1104, 23.0410, 21.6944

Monochromacy



Original Color

20.4713, 23.1866, 13.7524

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.8222, 22.6122, 20.0968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4713, 23.1866, 13.7524 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(134, 135, 93)` looks like.

```
.text, #text, p{  
    color:rgb(134, 135, 93)  
}
```

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(134, 135, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 135, 93) }
```

Border

The CSS property to change the border of an element to XYZ 20.4713, 23.1866, 13.7524 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(134, 135, 93) }
```


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

```
.border{ border-color:rgb(134, 135, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 135, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 135, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 135, 93);  
box-shadow:4px 4px 4px 4px rgb(134, 135,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4713, 23.1866, 13.7524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 135, 93) }
```

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

```
.background{ background-color: rgb(134,  
135, 93) }
```

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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