

Converting Colors

XYZ(23.2454, 12.8165, 95.8564)

Have a look what the booklet for
XYZ(23.2454, 12.8165, 95.8564)
contains.

XYZ(23.2227, 12.7787, 95.8503)	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(23.2227, 12.7787,
95.8503)**

Conversions

Conversions Part 1

Format	Color
Hex	4F42FF
RGB	79, 66, 255
RGB Percent	31%, 26%, 100%
CMY	0.6902, 0.7412, 0.0000
CMYK	0.69, 0.74, 0.00, 0.00
HSL	244°, 100%, 63%
HSV	244°, 74%, 100%
XYZ	23.2227, 12.7787, 95.8503
YIQ	91.4330, -52.9210, 61.5350

Conversions

Conversions Part 2

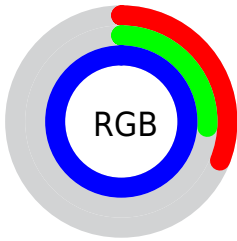
Format	Color
R_{YB}	79, 66, 255
Decimal	5194495
CIE _{Lab}	42.43, 60.74, -90.94
CIE _{LCh}	42, 109.358, 303.737
Yxy	12.7787, 0.1761, 0.0969
Android (android.graphics.Color)	4283384575 (0xFF4F42FF)
YUV	91.4330, 80.6385, -10.9037
Hunter-Lab	35.7473, 53.4020, -133.9529

Details

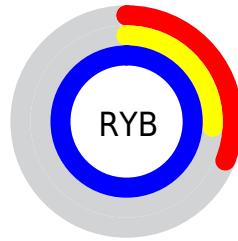
The XYZ color **23.2227, 12.7787, 95.8503** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **73.3563, 90.7880, 18.8114**, and the grayscale version is **9.8739, 10.3882, 11.3127**.

A 20% lighter version of the original color is **36.8057, 26.3321, 97.7505**, and **10.2489, 4.3729, 53.1272** is the 20% darker color. If you saturate the color by 10%, you get **20.4159, 9.5911, 95.3830**, and if you desaturate by 10%, it is **27.3993, 17.6566, 96.5717**.

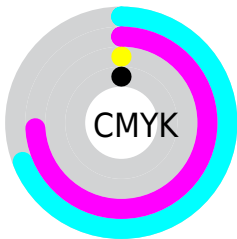
Distribution



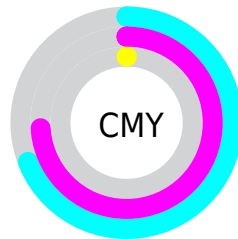
- Red (31%)
- Green (26%)
- Blue (100%)



- Red (31%)
- Yellow (26%)
- Blue (100%)



- Cyan (69%)
- Magenta (74%)
- Yellow (0%)
- Black (0%)



- Cyan (69%)
- Magenta (74%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2227, 12.7787, 95.8503 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 23.2227, 12.7787, 95.8503 by changing the saturation by 10% instead.

■ 23.2227, 12.7787,
95.8503

■ 23.2227, 12.7787,
95.8503

261.3808,
209.4945, 567.9373

■ 14.8796, 7.2763,
72.2421

■ 48.2227, 30.9056,
157.4445

■ 8.8207, 3.6355,
52.8684

■ 65.6104, 44.2990,
196.2675

■ 4.6806, 1.4718,
37.3107

■ 86.7436, 61.0915,
240.9993

■ 2.0939, 0.2688,
25.1505

■ 111.9878, 81.6675,
292.0582

■ 0.6859, 0.0000,
15.9692

■ 141.7082,
106.4114, 349.8630

■ 0.0000, 0.0000,
9.3482

176.2703,

■ 0.0000, 0.0000,

135.7076, 414.8320

4.8691

216.0394,
169.9405, 487.3840

■ 0.0000, 0.0000,
2.1133

■ 0.0000, 0.0000,
0.6237

■ 23.2227, 12.7787,
95.8503

■ 23.2227, 12.7787,
95.8503

■ 20.4159, 9.5911,
95.3830

■ 27.3993, 17.6566,
96.5717

■ 18.8018, 7.8611,
95.1341

■ 33.0891, 24.4157,
97.5765

■ 18.2913, 7.3444,
95.0613

■ 40.4198, 33.2216,
98.8898

■ 49.5051, 44.2216,
100.5342

■ 60.4483, 57.5496,
102.5300

■ 73.3449, 73.3287,
104.8959

■ 88.2837, 91.6733,
107.6494

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



13.2066, 12.7787, 125.7993



23.2227, 12.7787, 95.8503



32.5770, 12.7787, 45.1379

Triad

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



23.2227, 12.7787, 95.8503



20.5782, 12.7787, 0.0000



2.2104, 12.7787, 17.0814

Complementary

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



23.2227, 12.7787, 95.8503



73.3563, 90.7880, 18.8114

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.



2.7649, 12.7787, 1.9524



23.2227, 12.7787, 95.8503



11.1434, 12.7787, 0.0000

Square

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



23.2227, 12.7787, 95.8503



30.6264, 12.7787, 0.8680



5.3072, 12.7787, 0.0000



3.1675, 12.7787, 57.3026

Rectangle

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



23.2227, 12.7787, 95.8503



35.6388, 12.7787, 19.4654



5.3072, 12.7787, 0.0000



2.2300, 12.7787, 9.5330

Sweetspot

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



23.2235, 12.7789, 95.8503



63.0145, 60.6841, 102.9997



52.1679, 72.1207, 105.7789



12.7880, 12.1344, 21.9181



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



23.2235, 12.7789, 95.8503



19.4913, 8.5812, 95.2368



37.2535, 20.0116, 96.5069



17.1188, 17.4375, 22.7135



9.6000, 3.8595, 49.6736



0.9733, 0.3957, 4.8383

Inverse Universe

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



59.2129, 31.5661, 86.9651



57.2916, 28.3469, 84.4022



48.9377, 78.1998, 17.6686



18.7355, 18.2775, 22.4902



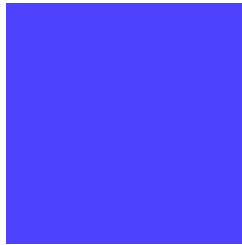
29.5928, 14.3264, 43.3676



2.8969, 1.4011, 4.3046

Previews

White Background



This preview shows how the XYZ color 23.2227, 12.7787, 95.8503 looks on a white background.

Color Contrast Check

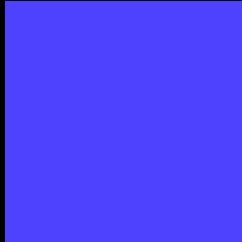
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.2227, 12.7787, 95.8503 looks on a black 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

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

XYZ 23.2227, 12.7787, 95.8503

Background



This preview shows how black text looks on a background with the XYZ color 23.2227, 12.7787, 95.8503.



This preview shows how white text looks on a background with the XYZ color 23.2227, 12.7787,

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

23.2227, 12.7787, 95.8503

Protanopia

14.8435, 12.6300, 57.5326

Deuteranopia

12.1978, 12.4813, 40.7960



Tritanopia

8.7868, 12.4362, 18.7669

Trichromacy



Original Color

23.2227, 12.7787, 95.8503

Protanomaly

16.8063, 11.9787, 69.8329

Deuteranomaly

14.7397, 11.6702, 57.3528

Tritanomaly

11.4844, 11.0566, 38.0881

Monochromacy



Original Color

23.2227, 12.7787, 95.8503

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

12.5337, 10.2952, 30.6047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2227, 12.7787, 95.8503 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(79, 66, 255)` looks like.

```
.text, #text, p{  
    color:rgb(79, 66, 255)  
}
```

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(79, 66, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 66, 255) }
```

Border

The CSS property to change the border of an element to XYZ 23.2227, 12.7787, 95.8503 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(79, 66, 255) }
```


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

```
.border{ border-color:rgb(79, 66, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 66, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 66, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 66, 255);  
box-shadow:4px 4px 4px 4px rgb(79, 66,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2227, 12.7787, 95.8503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 66, 255) }
```

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

```
.background{ background-color: rgb(79, 66,  
255) }
```

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