

Converting Colors

XYZ(20.4219, 21.7226, 6.3653)

Have a look what the booklet for
XYZ(20.4219, 21.7226, 6.3653)
contains.

XYZ(20.4219, 21.7226, 6.3653)	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(20.4219, 21.7226,
6.3653)**

Conversions

Conversions Part 1

Format	Color
Hex	947F34
RGB	148, 127, 52
RGB Percent	58%, 50%, 20%
CMY	0.4196, 0.5019, 0.7961
CMYK	0.00, 0.14, 0.65, 0.42
HSL	47°, 48%, 39%
HSV	47°, 65%, 58%
XYZ	20.4219, 21.7226, 6.3653
YIQ	124.7290, 36.5910, -18.8730

Conversions

Conversions Part 2

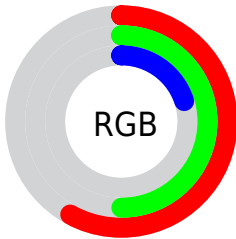
Format	Color
R_{YB}	79, 148, 52
Decimal	9731892
CIE Lab	53.73, -1.09, 42.60
CIE LCh	54, 42.619, 91.472
Yxy	21.7226, 0.4210, 0.4478
Android (android.graphics.Color)	4287921972 (0xFF947F34)
YUV	124.7290, -35.8554, 20.4087
Hunter-Lab	46.6075, -3.3502, 24.5279

Details

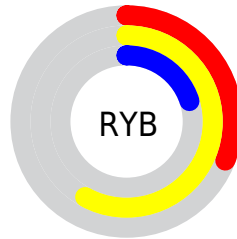
The XYZ color **20.4219, 21.7226, 6.3653** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **9.1438, 7.6329, 29.0080**, and the grayscale version is **19.5104, 20.5265, 22.3533**.

A 20% lighter version of the original color is **43.4202, 46.0369, 19.1679**, and **7.3405, 7.8285, 1.1242** is the 20% darker color. If you saturate the color by 10%, you get **19.7283, 20.7878, 4.7396**, and if you desaturate by 10%, it is **21.2345, 22.7282, 8.5469**.

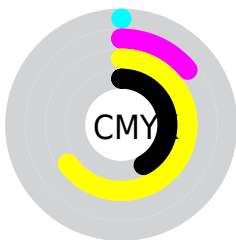
Distribution



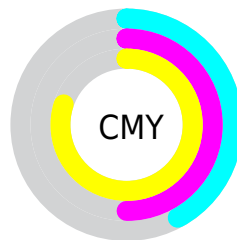
- Red (58%)
- Green (50%)
- Blue (20%)



- Red (31%)
- Yellow (58%)
- Blue (20%)



- Cyan (0%)
- Magenta (14%)
- Yellow (65%)
- Black (42%)



- Cyan (42%)
- Magenta (50%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4219, 21.7226, 6.3653 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 20.4219, 21.7226, 6.3653 by changing the saturation by 10% instead.

■ 20.4219, 21.7226,
6.3653

■ 20.4219, 21.7226,
6.3653

246.9803,
261.0942, 171.7062

■ 12.8121, 13.6532,
2.9961

■ 43.6220, 46.2871,
19.1751

■ 7.3754, 7.8799,
1.0926

■ 59.9430, 63.5510,
29.4528

■ 3.7464, 4.0182,
0.0000

■ 79.8985, 84.6485,
42.8704

■ 1.5597, 1.6837,
0.0000

■ 103.8538,
109.9640, 59.8465

■ 0.3659, 0.4131,
0.0000

■ 132.1743,
139.8820, 80.7996

■ 0.0000, 0.0000,
0.0000

■ 165.2253,

174.7867, 106.1482

203.3722,
215.0626, 136.3109

■ 20.4219, 21.7226,
6.3653

■ 20.4219, 21.7226,
6.3653

■ 19.7283, 20.7878,
4.7396

■ 21.2345, 22.7282,
8.5469

■ 19.1418, 19.9163,
3.6149

■ 22.1736, 23.8052,
11.3296

■ 18.6498, 19.1037,
2.9227

■ 23.2476, 24.9581,
14.7556

■ 18.4156, 18.7018,
2.6392

■ 24.4640, 26.1900,
18.8630

■ 25.8293, 27.5037,
23.6866

■ 27.3501, 28.9021,
29.2590

■ 29.0321, 30.3876,
35.6110

■ 30.8810, 31.9626,
42.7713

■ 32.9020, 33.6295,
50.7674

Harmonies

Analogous

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



25.1317, 21.7226, 7.7212



20.4219, 21.7226, 6.3653



16.3924, 21.7226, 8.0315

Triad

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



20.4219, 21.7226, 6.3653



14.0252, 21.7226, 39.3646



29.3643, 21.7226, 37.8138

Complementary

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



20.4219, 21.7226, 6.3653



9.1438, 7.6329, 29.0080

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.



25.5798, 21.7226, 52.2453



20.4219, 21.7226, 6.3653



16.7297, 21.7226, 53.3489

Square

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



20.4219, 21.7226, 6.3653



13.0525, 21.7226, 24.3042



20.8731, 21.7226, 58.7605



30.7300, 21.7226, 23.0120

Rectangle

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



20.4219, 21.7226, 6.3653



14.5098, 21.7226, 11.1892



20.8731, 21.7226, 58.7605



28.3078, 21.7226, 43.0345

Sweetspot

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



20.4224, 21.7236, 6.3657



44.4539, 47.4645, 37.7904



14.6903, 9.2518, 7.5612



10.0053, 10.6974, 8.1248



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.4224, 21.7236, 6.3657



34.3018, 35.9440, 7.3275



19.2924, 25.5943, 7.1724



6.1589, 6.5317, 6.1766



15.7505, 16.0154, 2.2611



0.2142, 0.2388, 0.0348

Inverse Universe

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



9.1438, 7.6329, 29.0080



12.8852, 9.2580, 50.5424



9.6826, 6.1971, 28.7025



5.5963, 5.8265, 7.2994



5.0329, 2.7607, 24.1986



0.0801, 0.0708, 0.3023

Previews

White Background



This preview shows how the XYZ color 20.4219, 21.7226, 6.3653 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 20.4219, 21.7226, 6.3653 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 20.4219, 21.7226, 6.3653

Background



This preview shows how black text looks on a background with the XYZ color 20.4219, 21.7226, 6.3653.



This preview shows how white text looks on a background with the XYZ color 20.4219, 21.7226,

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

20.4219, 21.7226, 6.3653

Protanopia

19.8206, 21.7972, 6.5308

Deuteranopia

22.0993, 21.6497, 6.3822



Tritanopia

23.8195, 21.6222, 23.3401

Trichromacy



Original Color

20.4219, 21.7226, 6.3653

Protanomaly

20.0388, 21.7151, 6.5034

Deuteranomaly

21.5606, 21.7403, 6.4281

Tritanomaly

22.2087, 21.5146, 15.0388

Monochromacy



Original Color

20.4219, 21.7226, 6.3653

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.3383, 20.7901, 14.5489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4219, 21.7226, 6.3653 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(148, 127, 52)` looks like.

```
.text, #text, p{  
    color:rgb(148, 127, 52)  
}
```

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(148, 127, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 127, 52) }
```

Border

The CSS property to change the border of an element to XYZ 20.4219, 21.7226, 6.3653 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(148, 127, 52) }
```


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

```
.border{ border-color:rgb(148, 127, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 127, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 127, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 127, 52);  
box-shadow:4px 4px 4px 4px rgb(148, 127,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4219, 21.7226, 6.3653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 127, 52) }
```

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

```
.background{ background-color: rgb(148,  
127, 52) }
```

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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