

Converting Colors

XYZ(12.5404, 20.3563, 4.6347)

Have a look what the booklet for
XYZ(12.5404, 20.3563, 4.6347)
contains.

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Color

**XYZ(12.5404, 20.3563,
4.6347)**

Conversions

Conversions Part 1

Format	Color
Hex	4B8C20
RGB	75, 140, 32
RGB Percent	29%, 55%, 13%
CMY	0.7059, 0.4510, 0.8745
CMYK	0.46, 0.00, 0.77, 0.45
HSL	96°, 63%, 34%
HSV	96°, 77%, 55%
XYZ	12.5404, 20.3563, 4.6347
YIQ	108.2530, -4.0720, -47.3680

Conversions

Conversions Part 2

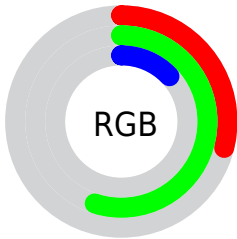
Format	Color
R_{YB}	32, 140, 97
Decimal	4951072
CIE _{Lab}	52.24, -39.59, 47.82
CIE _{LCh}	52, 62.078, 129.618
Yxy	20.3563, 0.3341, 0.5424
Android (android.graphics.Color)	4283141152 (0xFF4B8C20)
YUV	108.2530, -37.5927, -29.1629
Hunter-Lab	45.1180, -29.3429, 25.4921

Details


The XYZ color **12.5404, 20.3563, 4.6347** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **10.1811, 5.4686, 25.3310**, and the grayscale version is **14.4287, 15.1801, 16.5311**.

A 20% lighter version of the original color is **29.9847, 43.9066, 15.4888**, and **3.7535, 7.2381, 1.1993** is the 20% darker color. If you saturate the color by 10%, you get **11.7733, 19.9790, 3.8082**, and if you desaturate by 10%, it is **13.4767, 20.8128, 5.8922**.

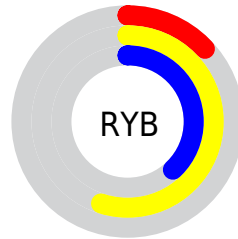
Distribution



 Red (29%)

 Green (55%)

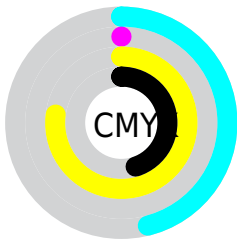
 Blue (13%)




 Red (13%)

 Yellow (55%)

 Blue (38%)

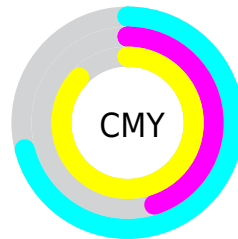


 Cyan (46%)

 Magenta (0%)

 Yellow (77%)

 Black (45%)



 Cyan (71%)

 Magenta (45%)

 Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5404, 20.3563, 4.6347 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 12.5404, 20.3563, 4.6347 by changing the saturation by 10% instead.

■ 12.5404, 20.3563,
4.6347

■ 12.5404, 20.3563,
4.6347

201.6485,
253.8375, 155.0385

■ 7.1876, 12.6543,
1.9796

■ 30.0840, 44.0137,
15.4490

■ 3.6271, 7.1909,
0.5427

■ 43.0055, 60.7380,
24.4452

■ 1.4934, 3.5818,
0.0000

■ 59.1807, 81.2384,
36.3923

■ 0.3213, 1.4425,
0.0000

■ 78.9748, 105.8995,
51.7087

■ 0.0000, 0.2477,
0.0000

■ 102.7533,
135.1055, 70.8129

■ 0.0000, 0.0000,
0.0000

■ 130.8815,

169.2409, 94.1237

163.7248,
208.6901, 122.0593

■ 12.5404, 20.3563,
4.6347

■ 12.5404, 20.3563,
4.6347

■ 11.7733, 19.9790,
3.8082

■ 13.4767, 20.8128,
5.8922

■ 11.1539, 19.6697,
3.3237

■ 14.5932, 21.3511,
7.6276

■ 10.9947, 19.5902,
3.2018

■ 15.9012, 21.9768,
9.8833

■ 17.4107, 22.6943,
12.6965

■ 19.1310, 23.5076,
16.1009

■ 21.0706, 24.4203,
20.1279

■ 23.2375, 25.4361,
24.8062

■ 25.6393, 26.5582,
30.1631

■ 28.2834, 27.7899,
36.2241

Harmonies

Analogous

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



17.3726, 20.3563, 2.4477



12.5404, 20.3563, 4.6347



9.9865, 20.3563, 12.0531

Triad

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



12.5404, 20.3563, 4.6347



15.3873, 20.3563, 74.0020



34.1144, 20.3563, 16.8043

Complementary

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



12.5404, 20.3563, 4.6347



10.1811, 5.4686, 25.3310

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.



33.2536, 20.3563, 36.7671



12.5404, 20.3563, 4.6347



21.4679, 20.3563, 77.8730

Square

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



12.5404, 20.3563, 4.6347



11.3623, 20.3563, 52.9088



28.2584, 20.3563, 61.6646



30.4024, 20.3563, 6.4753

Rectangle

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



12.5404, 20.3563, 4.6347



9.5012, 20.3563, 21.9313



28.2584, 20.3563, 61.6646



34.3659, 20.3563, 22.3994

Sweetspot

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



12.5409, 20.3572, 4.6351



34.9318, 42.0107, 30.8507



15.3330, 14.1931, 3.2982



7.8027, 9.5642, 6.6039



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.



12.5409, 20.3572, 4.6351



19.8880, 34.7890, 6.0366



10.4068, 19.2372, 5.4313



5.1480, 5.6990, 5.3811



9.7900, 17.4169, 2.8458



0.0808, 0.1238, 0.0196

Inverse Universe

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



10.1811, 5.4686, 25.3310



15.4272, 7.1964, 44.3189



15.3083, 8.1993, 21.6155



5.0444, 5.0313, 6.3111



7.4984, 3.3797, 22.3028



0.0664, 0.0310, 0.1489

Previews

White Background



This preview shows how the XYZ color 12.5404, 20.3563, 4.6347 looks on a white background.

Color Contrast Check

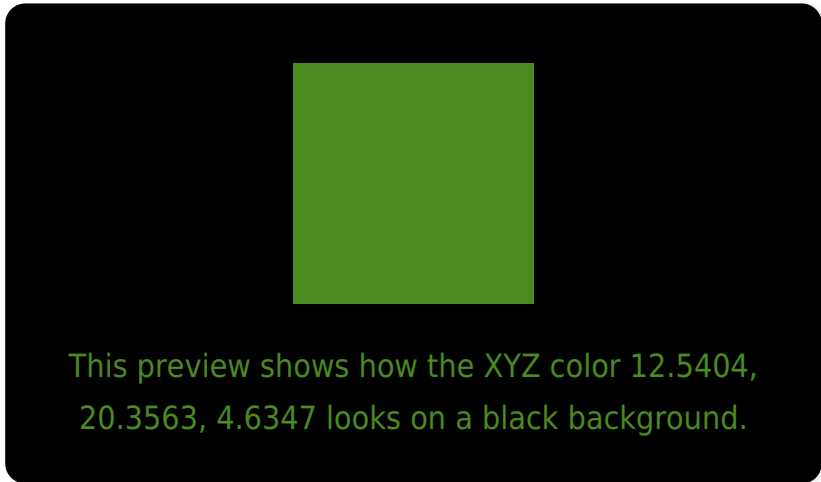
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 12.5404, 20.3563, 4.6347

Background



This preview shows how black text looks on a background with the XYZ color 12.5404, 20.3563, 4.6347.



This preview shows how white text looks on a background with the XYZ color 12.5404, 20.3563,

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

12.5404, 20.3563, 4.6347

Protanopia

18.0647, 19.9881, 4.0046

Deuteranopia

20.4139, 20.0926, 4.9928



Tritanopia

17.2040, 20.1637, 28.1845

Trichromacy



Original Color

12.5404, 20.3563, 4.6347

Protanomaly

15.4069, 19.7670, 4.1658

Deuteranomaly

16.4149, 19.4973, 4.7319

Tritanomaly

14.7118, 19.9682, 15.3908

Monochromacy



Original Color

12.5404, 20.3563, 4.6347

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

12.9883, 16.4989, 10.0895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5404, 20.3563, 4.6347 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(75, 140, 32)` looks like.

```
.text, #text, p{  
    color:rgb(75, 140, 32)  
}
```

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(75, 140, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 140, 32) }
```

Border

The CSS property to change the border of an element to XYZ 12.5404, 20.3563, 4.6347 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(75, 140, 32) }
```


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

```
.border{ border-color:rgb(75, 140, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 140, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 140, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 140, 32);  
box-shadow:4px 4px 4px 4px rgb(75, 140,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5404, 20.3563, 4.6347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 140, 32) }
```

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

```
.background{ background-color: rgb(75, 140,  
32) }
```

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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